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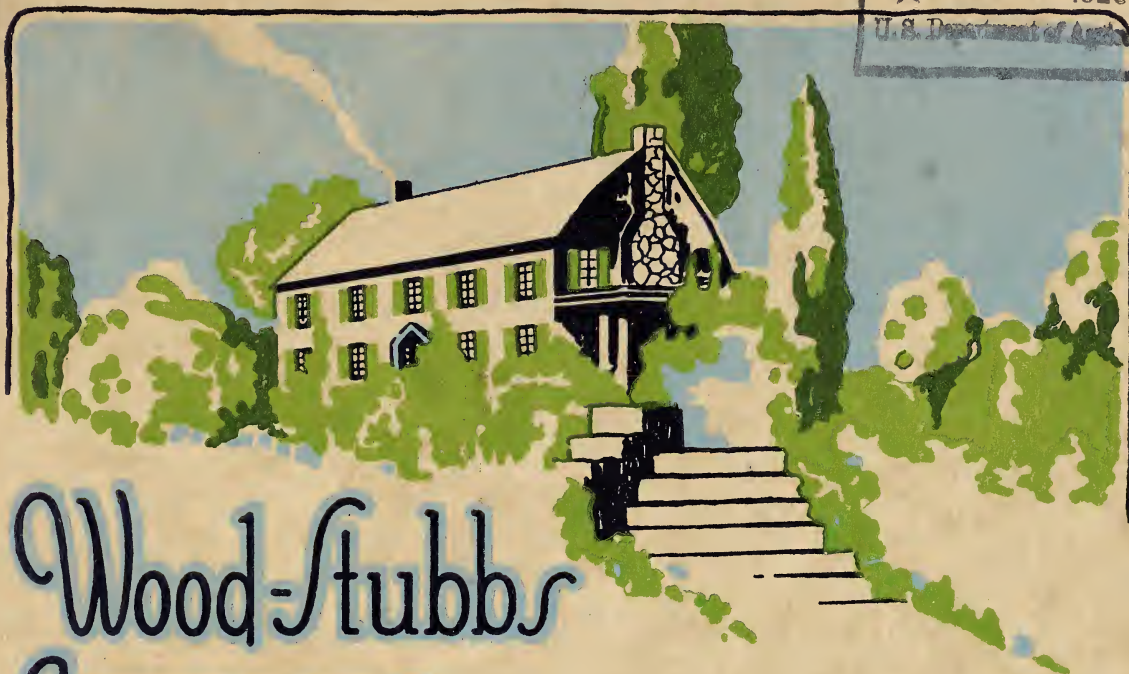
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Wood-Stubbs Company

INCORPORATED

Designers
of
Beautiful Home
Grounds

Seeds
Bulbs

Nursery Stock
Garden Furniture



430 E. Broadway

Louisville, Ky.

D. N. Shoemaker

To the Customers and Friends of Wood, Stubbs Company

Folks, We Have Moved to 430 East Broadway

We have felt for a long time, that Louisville needed a Seed Store that would fill the need of the Suburban Estate, the man who likes to beautify his home grounds, the flower lover, the critical market gardener and the farmer.

The catalog which we are issuing this year is a great deal larger and more complete than any we have ever published. After reading it, if you think some of your friends would like a copy, we will be glad to send one without charge if you will add the name or names of those desiring catalogs to the bottom of your order.

There has been no change in our personnel because of this move. Our officers and employees all desire to thank you for your valued business in the past and also to solicit your orders throughout the year.

Our new location is on one of the most popular boulevards and one which promises to become Louisville's most prominent shopping district. We feel in making this move, that our business will be greatly benefitted on account of the arrangement and the nature of the building which we now occupy. It is concrete throughout, a one-floor plan, well ventilated, with plenty of day-light which makes the task lighter and the service speedier. We have discontinued our downtown warehouse and now utilize a seven floor warehouse, immediately back of our building, in which we may have access to any portion our business requires.

We are more firmly convinced that the pleasant conditions under which we work in our new building would only add to the better service which we could render customers.

We have added a new line in the way of Nursery Stock, namely: Shrubs, Evergreens, Fruit Trees, Roses, Perennials and the like; also Garden Furniture, Pottery, Bird Cages and supplies. We will continue to carry in stock Garden Seeds, and Field Seeds of the very highest quality obtainable, reasonably priced.

Our employees join us in thanking you for your valued support and patronage and also to welcome you at our new place at any time it may be convenient for you to call.

With every wish for your Prosperity and Happiness throughout the coming year, we are,

Very truly yours,

WOOD, STUBBS COMPANY

W. N. Arterburn, Pres.

J. P. Reichsparr, Sec'y and Treas.

General Instructions to Customers

Seeds By Parcel Post—We deliver free to all points in the United States by Parcel Post or Express to any express office at our option all Vegetable and Flower Seeds in packets, ounces, $\frac{1}{4}$ lb., $\frac{1}{2}$ lb., 1 lb. Purchasers pay transportation charges on larger quantities of seeds and other merchandise unless otherwise specified and noted in the price blocks.

How To Send Money—Remittance should be made either in the form of Express Money Order, Post Office Order, Bank Draft or Registered Mail. We accept **personal check** without cost or exchange to our customers. One and two-cent stamps will be accepted for small amounts, provided they are carefully wrapped so as not to soil and stick together. Cash can be sent by registered mail and a receipt returned you by the Post Office. You run absolutely no risk in sending us money, as we are well known and have been engaged in the seed business for many years. As to our financial responsibility you can ask any bank or trust company in Louisville or refer to the merchantile agencies.

Delivery Guaranteed—We will guarantee the safe arrival of all goods by insured Parcel Post. All packages lost will be replaced promptly and without cost to you. Insured Parcel Post costs 5c extra for a \$5.00 order or less.

Damage Claims—We collect Express and Freight Damage Claims for you **FREE** of cost. This takes time and money, but this service is free to all users of Blue Ribbon Seeds.

C. O. D. Orders—No orders for perishable goods will be sent C. O. D. All other items can be forwarded C. O. D. for goods and postage.

Accounts—Parties having no charge accounts with us and who order goods without remittances must furnish satisfactory references before goods will be shipped.

Testimonials—We are always pleased to hear from our customers regarding satisfactory results obtained with **Blue Ribbon Seeds**. Photographs especially of vegetables and vegetable gardens will be gratefully received.

Packing Charges—Where bags are not included in quotations, the following scale should be used when ordering seeds and cost of bags included with your order as follows: Cotton Bag—5 lbs., 7c; 10 lbs., 10c; 15 lbs., 15c; $\frac{1}{2}$ bu., 20c; 1 bu., 30c; 2 bu., cotton, 35c. Burlap Bags—1 bu., 10c; 2 bu., 20c.

Quotations—All quotations, unless otherwise stated, are F. O. B. Louisville. Ky. These prices are the lowest on date of printing. If market is lower when order is received you will get the benefit.

A Few Hints for the Proper Cultivation and Success of Good Vegetables and Beautiful Flowers

Soil—Vegetable of the best quality cannot be successfully grown on sand, a cold hard lumpy clay or under the shade of trees. A good rich loam, sandy clay is best suited for both flower and vegetable.

The Adding of Foreign Fertilizers and Manures—Thoroughly decomposed straw stable manure is decidedly the best if it can be secured. Commercial Fertilizers used at the rate of 2 lbs. to the sq. yd., is the next best. Commercial Fertilizers embrace the Lawn and Garden Fertilizer, Acid Phosphates, Sulphate of Ammonia, Nitrate of Soda and mixed goods especially put up for gardens. Lawn and Garden Fertilizer has been put up especially for us for this purpose. Its mechanical condition is of the best and its fertilizing properties are guaranteed. Three or four applications of Commercial Fertilizer during the growing season of Vegetables would not injure them but would continue successfully, their proper development. Pulverized Sheep Manure for quick growth, such as is required by grass in the spring, garden vegetables and a number of flowerplants is unquestionably the highest grade fertilizer that can be used by the amateur. It is put in a convenient and handy form so as to make application easy.

Soil Preparation—The soil must be friable by thorough and careful working. If this is well done, all that follows will be easy. It is always advisable to either plow or dig the garden to a good depth from six to eight inches. Never work the garden in the spring, even when doing the original breaking, if the ground is wet, as this will cause a hard flinty crust and clods throughout the season. It is an old adage among the farmers that when the soil will unite in a mass when pressed in the hand, and will not crumble easily, that the soil is entirely too wet for thorough preparation. Be sure that the top of the ground in the garden is finely pulverized, free of clods and other refuse that might be turned up by the harrow. Cultivate a sufficient number of times during the growing season to keep the weeds out and during the summer months. When the hot dry season is on it is necessary to cultivate oftener as a dust mulch will maintain a great deal more moisture than a hard surface left uncultivated.

American Seedsmen are well established in the business fabric of the country and it is their desire to supply only such seed as will be of high germination and true to name. All seedsmen appreciate the confidence which their customers have in them when placing their orders and this confidence is the greatest trade asset that any house, whether mail order or local store can possibly have. This they would not knowingly violate or jeopardize.

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GARDEN SEEDS quoted "by mail postpaid" in this catalog will be delivered, all transportation charges prepaid, to any post office in the United States. Or, if you prefer, we will ship by express and prepaid charges. Shipment by express is safer than by parcel post.

FIELD SEEDS quoted "by mail postpaid" will be delivered to any post office in the United States. On the field seed pages will be found under the heading "Postpaid Prices" the amounts to be added for postage on orders to other states, making it easy to tell exactly what Seeds will cost you delivered at your door.

When quoted "NOT PREPAID" we deliver at our expense to the post office, express office or freight depot in Louisville, you to pay transportation charges only.

WITH GENERAL DIRECTIONS FOR CULTIVATION

We give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds, plants or bulbs we sell, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned. WOOD STUBBS CO., Inc.

Artichoke

One ounce will sow 100 feet of row, and produce about 500 plants.

A rich, sandy loam is best adapted for this plant. The seed should be sown in drills $1\frac{1}{2}$ inches deep and 1 foot apart. Transplant to rows 3 feet apart. They reach maturity the second year. Protect in Winter by a covering of leaves or coarse manure.

Large French Globe. Heads large, fleshy and of rich flavor. Pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.25 Postpaid.

Asparagus

One ounce will produce about 200 plants.

Sow in Autumn or in Spring as soon as the soil is in good working condition. At one or two years transplant to permanent beds. **Conover's Colossal.** Very prolific and tender, Pkt. 10c, Oz. 20c, $\frac{1}{4}$ lb. 45c Postpaid.

Palmetto. A fine variety, producing large, green Asparagus, Pkt. 10c, Oz. 20, $\frac{1}{4}$ lb. 45c Postpaid.

Washington. A rust resistant variety, with long, dark green stalks, Pkt. 10c, Oz. 50c, $\frac{1}{4}$ lb. \$1.50 Postpaid.

Asparagus Roots

It requires 100 plants for a single row of 150 feet.

TWO YEAR-OLD ROOTS

	Postpaid	12	100	1000
Palmetto. Large, bright green	\$0.20		\$2.00	\$15.00
Conover's Colossal. Deep green	.20		2.00	15.00
Columbian Mammoth... White	.20		2.00	15.00
Washington. Dark green	.50		2.00	15.00



Washington Asparagus

Beans

Beans like a well drained, rich and light loam. Plant about the middle of April when warm and favorable, and at intervals throughout the season for a succession, until the latter part of August. Bush varieties should be planted in drills 2 feet apart, and from two to six plants to the foot in a row. Keep them well cultivated and draw the earth up to the stem. For String Beans gather the pods clean as soon as fit for use. The plants will remain all the longer in bearing.

Dwarf Shell Beans

Sow in drills 2 feet apart as soon as warm weather has set in; soil should be light and rich; covering about 2 inches.

	Postpaid				By Express or Freight Not Prepaid				
	Pkt.	1/2 lb.	1 lb.	2 lbs.	1 lb.	2 lbs.	5 lbs.	15 lbs.	60 lbs.
Boston Pea or Navy. Used when dry for cooking purposes	10c	20c	30c	50c	20c	40c	\$1.00	\$2.50	\$8.00
Red Kidney. Similar to White Kidney, except the beans are deep red	10c	25c	40c	80c	30c	55c	1.20	3.00	10.80
White Kidney. Excellent Shell, or String Bean	10c	25c	40c	80c	30c	55c	1.20	3.00	10.80
White Marrow. For use in a dry state in Winter, or as a String Bean	10c	25c	40c	80c	30c	55c	1.20	3.00	10.80



Beans, Burpee Stringless

Dwarf Green-Podded Snap Beans

One quart will plant 150 ft. of drill.

Black Valentine. Long, round, solid green pods; very early.

Bountiful. Early, very prolific and long bearing; flat, green pods, tender and stringless.

Extra Early Refugee. Two weeks earlier than the Late Refugee; very prolific, long, round pods.

Extra Early Red Valentine. One of the earliest. Round, thick, solid pods.

Full Measure. A fine stringless bean with round, straight, green pods.

Giant Stringless Green Pod. This Bean is absolutely stringless. The pods are round and full.

Refugee Late or 1000 to 1. Medium to late; very productive and tender. Largely grown for main crop; round pod.

Stringless Green Pod (Burpee's). An early, round, green-podded Bean; stringless, remains tender and crisp.

Dwarf Horticultural or Italian—An old standard snap and shell variety. The pods long, well filled, and tender, are splashed with red. Used largely for green shelled beans which are ready for use quite early.

Tenn. Green Pod—Extra early, hardy and prolific; and for these reasons very popular in the south. Pods long, broad, flat, irregular, nearly stringless and of fine flavor.

Dwarf Wax-Podded Beans

Black Wax, Currie's Rust-Proof. Large, flat pods; early.

Davis' White Kidney Wax. Long waxy white; flat pods.

Golden Wax, Improved. Very early; flat pods, long stringless.

Wardwell's Kidney Wax. Early; long straight, flat, wax stringless pods.

PRICES

By MAIL POSTPAID

BY EXPRESS OR FREIGHT NOT PREPAID

	Pkt.	1/2 lb.	1 lb.	2 lbs.	1 lb.	2 lbs.	5 lbs.	15 lbs.	60 lbs.
DWARF GREEN-PODDED SNAP BEANS									
Early Red Valentine	10c	25c	40c	80c	30c	50c	\$1.10	\$3.00	\$11.00
Black Valentine	10c	25c	40c	80c	25c	45c	1.10	3.00	11.00
Bountiful	10c	25c	40c	80c	30c	60c	1.45	4.00	15.00
Burpee's Stringless	10c	25c	40c	80c	30c	60c	1.20	3.25	12.00
Dwarf Horticulture (Italian)	10c	25c	40c	80c	30c	60c	1.20	3.25	12.00
Giant Stringless	10c	25c	40c	80c	30c	60c	1.40	4.00	15.00
Improved Refugee	10c	25c	40c	70c	30c	60c	1.20	2.75	10.00
Tennessee Green Pod	10c	25c	40c	80c	30c	55c	1.20	3.25	12.00
Full Measure	10c	25c	40c	80c	30c	60c	1.40	4.00	15.00
Extra Early Refugee	10c	25c	40c	80c	30c	60c	1.20	3.25	12.00
WAX PODDED BUSH BEANS—									
Rust Proof Wax, Currie Black	10c	25c	40c	80c	30c	60c	\$1.20	\$3.25	\$12.00
Davis White Wax	10c	25c	40c	80c	30c	60c	1.20	3.25	12.00
Dwarf Golden Wax	10c	25c	40c	80c	30c	60c	1.20	3.25	12.00
Wardwells Kidney Wax	10c	25c	40c	80c	30c	60c	1.20	3.25	12.00

Dwarf, or Bush Lima Beans

Burpee's Improved Bush Lima. A bush form of the large, flat Pole Lima.

Fordhook Bush Lima. It is of erect habit; Beans very large and heavy cropper.

Burpee's Bush Lima. Dwarf or bush form of the large white pole variety.

Henderson's Bush Lima, or Dwarf Sieva. Very early small type with pods about 3 in. long.

Woods Prolific Bush. Yield continually from early summer until frost. One of the improved newer sorts. About a third larger than the old Henderson Bush Lima. A day or two later than Henderson, but ten days earlier than many of the ordinary bush sorts.

PRICES:

DWARF OR BUSH LIMA BEANS

BY MAIL POSTPAID

EXPRESS OR FREIGHT NOT PREPAID

	Pkt.	1/2 lb.	1 lb.	2 lbs.	1 lb.	2 lbs.	5 lbs.	15 lbs.	60 lbs.
Burpees Imp. Bush Lima	10c	25c	40c	80c	30c	60c	\$1.40	\$4.00	\$15.00
Burpees Bush Lima	10c	25c	40c	80c	30c	50c	1.30	3.30	12.00
Fordhook Bush Lima	10c	25c	45c	80c	30c	60c	1.40	3.75	13.80
Henderson's Bush Lima	10c	25c	35c	60c	25c	50c	1.05	3.00	11.50
Wood's Prolific Bush Lima	10c	25c	40c	80c	30c	55c	1.15	3.25	12.00

Pole, or Running Beans

Sow from the 1st of May (for all except Limas) to the latter part of May, in hills 4 feet each way. Limas should not be planted until warm weather has fairly set in. One quart of Limas will plant about 100 hills, allowing four or five beans to a hill, and of the smaller sorts about 2000 hills. Poles 8 to 10 feet long should be firmly set in the hills before planting seeds. Set poles 4 feet apart each way, and plant 4 to 6 beans about 1 inch deep around each pole. Thin out to three plants to a pole if the soil is rich; pinch off the ends of plants when they overrun the top of the poles, to effect more perfect growth below.

Carpenteria Lima. The beans have a greenish tint; vines vigorous and very productive. A perfect Lima bean.

Extra Early Jersey Lima. This variety is ten days earlier than the ordinary variety, while it is equal in flavor and productiveness.

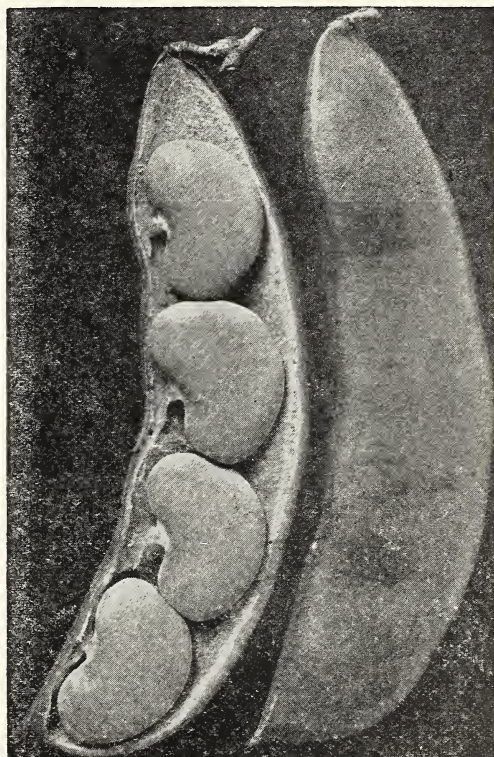
Large White Lima. One of the best shell beans grown. Matures in 90 days; very popular. Our seeds of this variety are extra selected.

Florida Butterbeans. A red speckled bean, very prolific.

Giant-Podded Pole Lima. A rapid growing, very large podded variety. The beans are extra large and thicker than any other pole Lima.

King of The Garden. An improved strain of large white Lima. Produces very large pods.

Small Pole Lima or Butterbeans. Also called Sieva or Carolina. Not nearly so large as the other limas, but a good bearer and about ten days earlier than other varieties.



Large Pole Lima

PRICES:

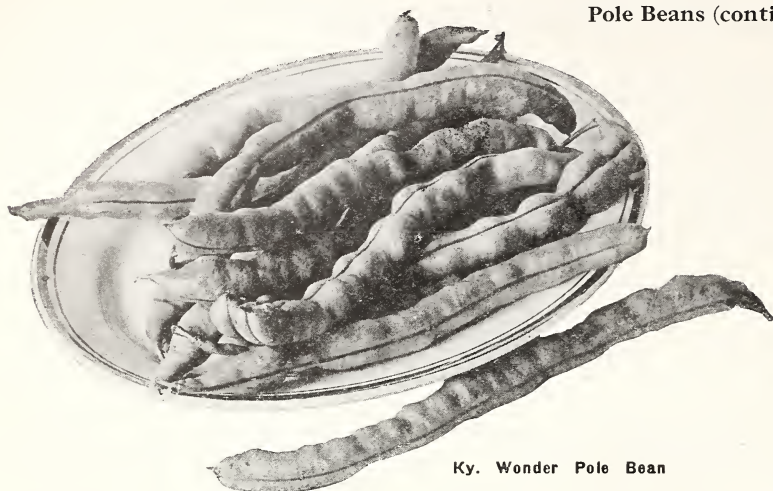
POLE VARIETIES—

LIMA BEANS

BY MAIL POSTPAID

EXPRESS OR FREIGHT NOT PREPAID

	Pkt.	1/2 lb.	1 lb.	2 lbs.	5 lbs.	10 lbs.	1 lb.	2 lbs.	5 lbs.	15 lbs.	60 lbs.
Carpenteria	10c	25c	40c	70c	\$1.55	\$2.75	30c	55c	\$1.30	\$3.25	\$12.60
Florida Butter Beans	10c	25c	40c	70c	1.55	2.75	30c	55c	1.35	3.25	12.60
Extra Early Jersey	10c	25c	40c	70c	1.40	2.50	30c	55c	1.15	3.25	12.00
King of Garden	10c	25c	40c	70c	1.40	2.50	30c	55c	1.15	3.25	12.00
Large White Pole Lima	10c	25c	40c	70c	1.40	2.50	30c	55c	1.15	3.25	12.00
Small Pole or Sieva	10c	25c	40c	70c	1.40	2.50	30c	55c	1.15	3.25	12.00
Giant Podded	10c	25c	40c	70c	1.40	2.45	30c	55c	1.15	3.00	10.80



Ky. Wonder Pole Bean

Pole Beans (continued)

Blue Ribbon, Ky. Wonder, or old Homestead—Hardy, vigorous and of exceeding fine flavor. The pods are 8 to 9 inches long; stringless when young.

Horticultural Pole, October or Speckled Cranberry—Used for both green and shell beans. Pods 5 to 6 inches long, straight, flat, stringless. Color dark green, splashed with red. Sometimes known as "Wren's Egg."

Lazy Wife—Used for green or shelled beans. Pods are thick fleshy and entire stringless.

McCaslan Pole Bean—Pods extremely long and well filled; stringless.

Red Speckled Cutshort or Cornfield — Pods long, stout,

straight grained and light green in color.

Fat Horse or Creaseback—Pods, round, slender and brittle. Beans white, pods light green in color.
Kentucky Wonder Pole Wax—Pods, long, thick and decidedly creasebacked, very fleshy, brittle, but stringy. Color, light yellow.

Striped Creaseback—Scotia, or Nancy Davis. A green-podded cornfield bean. The pods are very fleshy.

White Seeded Ky. Wonder—Similar to the Ky. Wonder except the beans are different shape and white.

Golden Cluster Pole Wax—Very early, prolific, tender and of excellent flavor.

PRICES

BLUE RIBBON POLE OR CORN FIELD BEANS—	Pkt.	MAIL POSTPAID						BY EXPRESS OR FREIGHT NOT PREPAID					
		½ lb.	1 lb.	2 lbs.	5 lbs.	10 lbs.		1 lb.	2 lbs.	5 lbs.	15 lbs.	60 lbs.	
Kentucky Wonder Pole	10c	20c	30c	50c	\$1.20	\$2.25		20c	40c	\$0.75	\$2.10	\$8.40	
Horticultural Pole	10c	25c	40c	65c	1.30	2.35		30c	50c	1.10	2.75	10.00	
Lazy Wife	10c	25c	40c	70c	1.40	2.45		30c	50c	1.15	2.75	10.00	
McCaslan Pole	10c	25c	40c	70c	1.40	2.45		30c	50c	1.15	3.25	12.00	
Red Speckled Cutshort	10c	25c	40c	70c	1.40	2.45		30c	50c	1.15	2.75	10.00	
Fat Horse or Creaseback	10c	25c	40c	65c	1.30	2.25		30c	50c	1.15	2.75	10.00	
White Seeded Kentucky Wonder	10c	25c	40c	65c	1.30	2.25		30c	50c	1.15	3.00	10.50	
Kentucky Wonder Wax	10c	25c	40c	70c	1.40	2.45		30c	50c	1.15	3.25	12.00	
Golden Cluster Wax	10c	25c	40c	70c	1.40	2.45		30c	55c	1.15	3.25	12.00	
Striped Creaseback or Nancy Davis	10c	25c	40c	70c	1.40	2.45		30c	50c	1.15	3.25	12.00	

Beet

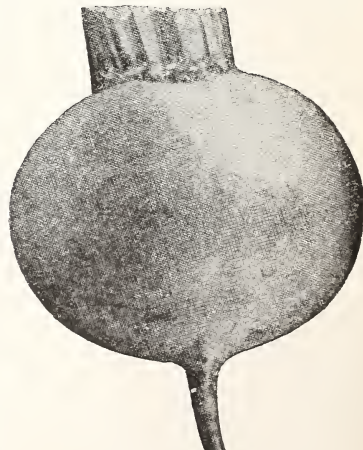
One ounce will sow 150 feet of drill.

For early supply sow as soon as the ground is in working order, in drills 1 foot apart and 2 inches deep. For main crop sow the second week in May, and for Winter use sow in June. When the plants are well forwarded thin out to about 9 inches apart. The young Beets, with their tops, pulled out of the row, are excellent used as Spinach.

By mail postpaid

Pkt. Oz. ¼ lb. Lb.

Early Blood Turnip. The leading early sort; also fine for late use	\$0.10	\$0.15	\$0.30	\$1.00
Early Eclipse. Very early; dark blood color; small top .....	.10	.15	.30	1.00
Extra Early Egyptian. The best for first crop out of doors. The root is very dark red, flat .....	.10	.15	.30	1.00
Crosby's Egyptian. Extra early, round, dark red .....	.10	.15	.30	1.00



Crosby Egyptian

	Pkt.	Oz.	¼ lb.	Lb.
Detroit Dark Red Turnip. Round; skin dark blood red; flesh bright red	\$0.10	\$0.15	\$0.30	\$1.00
Long, Smooth Blood. A prolific variety, very dark in color .....	.10	.15	.30	1.00
Model Globe. A perfect globe shaped variety .....	.10	.15	.30	1.00

Swiss Chard

Swiss Chard. The roots of this variety are of no value, but the leaves are superior to those of the ordinary Beet and excellent as greens	Pkt. .10	Oz. .15	¼ lb. .30	Lb. 1.00
Swiss Chard, Giant Lucullus. An improved variety	Pkt. .10	Oz. .15	¼ lb. .30	Lb. 1.00
All beets in 5 lb. lots deduct 25c per pound.				

Mangel-Wurzel and Sugar Beet

Sow 6 to 8 pounds per acre.

Golden Tankard. An enormous yielder per acre. Flesh deep yellow	¾ lb. \$0.30	Lb. \$0.75
Mammoth Long Red. The largest and heaviest cropper of all the Mangels .....	.30	.75
Half Sugar. Large oval bronze green roots .....	.30	.75
All beets in 5 lb. lots deduct 10c per pound.		

Broccoli

(For Cultural Directions, see Cauliflower). All postpaid.

Pkt. Oz. ¼ lb.

White Cape. Heads compact and of a creamy white color	\$0.10	\$0.35	\$1.25
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Brussels Sprouts

One ounce will produce about 2000 plants.

Sow in May in shallow drills 1 inch deep and 12 inches apart; transplant in July. A very hardy, delicious vegetable which should find a place in every garden; greatly improved by hard frosts. All postpaid.

Pkt. ½ oz. Oz. ¼ lb.

Perfection. Solid round, sprouts of the best quality	\$0.10	\$0.30	\$0.60	\$2.00
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Copenhagen Market Cabbage

Cabbage

One ounce will produce 3000 plants.

For early use sow the seeds in hotbeds in February or March. Transplant as soon as the ground can be worked, in rows 2 feet apart, and the plants 18 inches apart in the rows. For late or Winter use sow the seed in May.

	Pkt.	Oz.	¼ lb.	Lb.
By mail postpaid.				
Golden Acre. Uniform header, early, flat, few leaves	\$0.10	\$0.50	\$1.75	\$6.00
Charleston Wakefield. Conical head variety, large and compact .....	.10	.30	.85	3.00
Copenhagen Market. Very early, round head; short stemmed .....	.10	.30	.85	3.00
Danish Ball Head. Very round; solid Winter sort. A fine shipper .....	.10	.30	.75	2.50
Early Flat Dutch. A second early Cabbage; large, solid heads .....	.10	.30	.75	2.50
Early Jersey Wakefield. The standard early variety, conical in shape; few outside leaves .....	.10	.30	.85	3.00
Large Late Flat Dutch. The heads are large and solid, with few outer leaves ..	.10	.30	.75	2.50
Late American Drumhead. One of the largest and best keeping varieties. Fine keeper .....	.10	.30	.85	3.00
Succession. A week later than Early Summer. Large, solid heads .....	.10	.30	.85	3.00
Large Late Drumhead. Very large head, solid, flat .....	.10	.30	.75	2.50
Louisville Drumhead. Home grown, we heartily recommend for the best large late headed cabbage .....	.10	.50	1.50	5.00
Early Summer. Best second early, flat head variety .....	.10	.25	.60	2.00
Mammoth Rock Red. The largest red cabbage; color deep red .....	.10	.30	.85	3.00

Note—For quantities 5 lb. or more not prepaid deduct 10c per lb.



Carrots

One cunce will sow 200 feet of row.

For early crops sow as soon as the ground can be worked, and for later crops from the beginning until the end of May, in rows 15 inches apart and $\frac{1}{2}$ inch deep. Thin out the young plants to 5 inches and keep the surface open by frequent use of the hoe.

By Mail Postpaid
Pkt. Oz. $\frac{1}{4}$ lb. 1 lb.

Early Scarlet Horn—Very thick roots; fine for frames	\$0.10	\$0.20	\$0.35	\$1.00
Chantenay Half Long Stump—Style of Nantes, broader shoulder .....	.10	.20	.35	1.00
Danvers Half Long—Large; of good quality and productive. One of the most popular sorts .....	.10	.20	.35	1.00
Long Orange—For garden and field crops this is the best variety .....	.10	.20	.35	1.00
Scarlet Intermediate—Fine exhibition variety .....	.10	.20	.35	1.00
Oxheart (Guerande)—Very thick and short, very sweet .....	.10	.20	.35	1.00

Cauliflower

One ounce of seed produces about 3000 plants.

By sowing the early varieties in a hotbed in February or March, or later in a coldframe, fine heads can be obtained quite early. When large enough transplant, making the rows about $2\frac{1}{2}$ feet apart and 18 inches between the plants. Transplanting should be done in moist weather.

By Mail Postpaid
Pkt. Oz. $\frac{1}{4}$ lb.

Danvers Half Long Carrots			
Blue Ribbon Snow Ball—Produces large and fine grained heads of snowy whiteness. It is the earliest and most solid heading variety grown	\$0.20	\$2.00	\$7.00
Earliest Dwarf Erfurt—The best and earliest forcing under glass; very dwarf and compact, with short stem and small leaves ....	.20	2.00	7.00
Extra Early Snowball—One of the best for forcing or open ground .....	.20	1.50	5.00
Dry Weather—This variety is especially adapted for long dry seasons .....	.20	1.50	5.00

Celery

One ounce will sow about 300 feet of row and produce about 5000 plants.

Sow in the open border early in April, in rich ground. When the plants are 3 inches high transplant 4 inches apart into temporary beds of soft, rich soil until they acquire sufficient strength for planting out. Plant in rows 3 feet apart and set 8 inches apart in the rows. About the middle of August earthing up is necessary for blanching and whitening of that which is wanted for early use. By mail postpaid.

Pkt. $\frac{1}{2}$ oz. oz. $\frac{1}{4}$ lb.

Giant Pascal—The stalks are solid and crisp; golden yellow heart	\$0.10	\$0.20	\$0.30	\$1.00
Golden Dwarf or Golden Heart—A distinct variety; crisp, solid; fine flavor .....	.10	.20	.30	1.00
Golden Self-Blanching—French grown; crisp, tender and of fine flavor .....	.25	.50	.90	3.00
Golden Plume—Two to three weeks earlier than any other variety. Blanches easily, solid, rapid growing heart; sweet, crisp and tender .....	.25	.50	.90	3.00
White Plume—A valuable early variety. Requires very little blanching .....	.10	.20	.30	1.00
Celery Seed—Used in kitchens for flavoring soups .....	.10	.15	.50	



Golden Plume or Wonderful Celery

Celeriac

OR TURNIP-ROOTED CELERY

Grown mostly for its bulbous roots, which may be stored like Beets for Winter use.

By Mail Postpaid

Pkt. ½ oz. Oz.

Giant Prague—The finest variety. Very large roots which are almost round\$0.10 \$0.25 \$0.40

Chervil

The Curled Chervil is cultivated like Parsley and used for garnishing and flavoring soups and salads.

By Mail Postpaid

Curled Chervil—The young leaves are used for flavoring soups and salads\$0.10 \$0.40 \$1.25

Chicory

Witloof, or French Endive—The stalks when blanched are used for salad10 .50 1.50

Collards

Sow Seeds, as for Cabbage, in June, July and August, for succession. Transplant when a month old in rows a foot apart each way, and hoe often.

Pkt. Oz. ¼ lb.

Georgia—Cabbage greens used as a substitute for Cabbage. By mail postpaid10 .20 .45

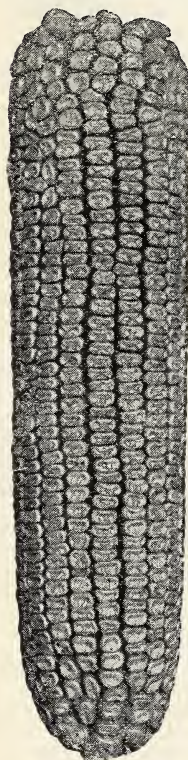
Corn Salad, or Fetticus

One ounce will sow 150 feet of drill.

Sow in September in drills 8 inches apart, covering the seeds lightly, and protect from frost by light covering of hay and litter. The seed may be sown in Spring.

Pkt. Oz. ¼ lb. 1 lb.

Large-Seeded—The most popular variety grown. By mail postpaid\$0.10 \$0.25 \$0.75 \$2.00



Truckers Favorite Corn

Sweet Corn

One quart (2 lbs.) will plant 200 hills.

Plant in hills 3 feet apart each way, dropping five or six kernels in each hill, or in rows 3 feet apart, and the plants thinned out to 18 or 20 inches in the row.

From May until the middle of July a succession planting can be made every two or three weeks, and a continued supply can be had until frost kills the plants.

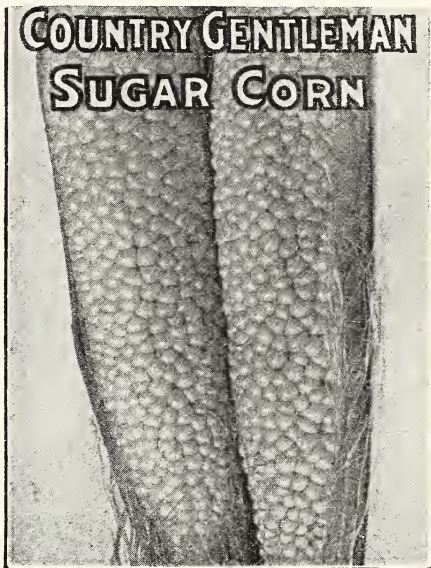
Culture—The early garden corns, such as Early Adams, Northern Field and Truckers Favorite can be planted the end of March or early in April. Sugar Corns cannot be planted until the ground begins to get warm. Frequent cultivation is necessary if you would have good corn.

Early Adams or Burlington—Ears eight inches long, 12 to 14 rows. Kernels, white, rounded and deeper than they are broad.

Extra Early Adams—Very small thick ears, close to the ground. Grain white, sweet and tender.

Early Northern Field—Finest early and late roasting ear variety. The ears are of good size and the grain of a fine quality.

Trucker's Favorite—Much larger than Early Adams and matures right after this variety.



Country Gentleman—Unsurpassed for main crop. Very small cob, grains in very uneven rows. Ears are 8 to 9 inches long. Matures a little later than Stowell's Evergreen.

Black Mexican—The best second early sweet corn. Grain bluish black when ripe, but in the green state almost the same color as other sweet corn.

CORN PRICES

BY MAIL POSTPAID

NOT PREPAID

BY EXPRESS OR FREIGHT

	Pkt.	½ lb.	1 lb.	2 lbs.	5 lbs.	10 lbs.	1 lb.	2 lbs.	5 lbs.	10 lbs.	100 lbs.
Ex. Ey. Adams	10c	20c	30c	50c	\$1.15	\$2.20	20c	35c	80c	\$1.40	\$11.00
Early Adams	10c	20c	30c	50c	.90	1.55	20c	35c	70c	.90	8.50
Early Northern Field	10c	20c	30c	50c	.90	1.55	15c	25c	40c	.70	6.00
Trucker's Favorite	10c	20c	30c	50c	1.00	1.65	15c	30c	50c	.80	7.00
Black Mexican	10c	20c	35c	60c	1.30	2.35	25c	45c	90c	1.45	13.00
Country Gentleman	10c	20c	35c	60c	1.30	2.35	25c	45c	90c	1.45	13.00

Sweet Sugar Corn

Golden Bantam—Best early golden yellow sweet sort. Being dwarf it can be planted closely, producing small yellow ears of delicious flavor.

Bantam Evergreen, or Golden Evergreen—A yellow variety maturing about 10 days after the Golden Bantam and a week earlier than Stowell's Evergreen white. It has an ear three times the size of Golden Bantam and runs 12, 14, and 16 rows to the ear. The Bantam Evergreen, has the tender quality and sweet flavor of the Golden Bantam, combined with the productiveness of Stowell's Evergreen.

Late Mammoth—The largest and latest Sugar Corn. The ears grow about 12 inches long and have 14 to 16 rows.

Mammoth Golden Giant—A cross between Golden Bantam and Howling Mob. This stalk usually bears two good, eating ears of corn, well filled and of delicious flavor.

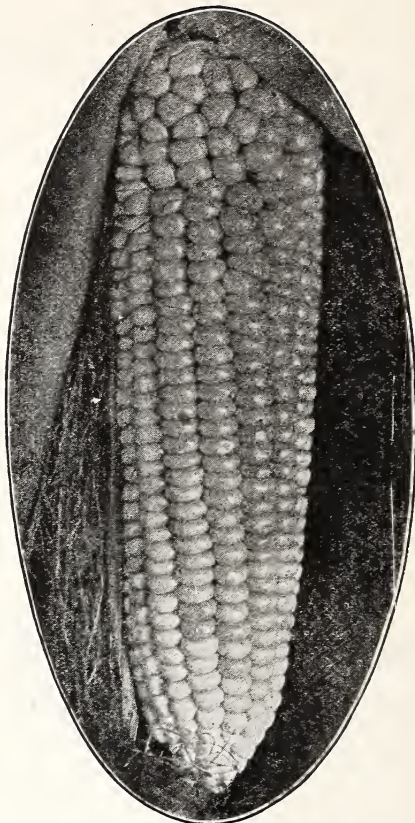
Stowell's Evergreen—Ears 8 to 9 inches long; 16 to 18 rows to the ear. Unsurpassed for table and market, fine quality, deep grained, and white.

Whipples' Early White Sugar—An extra variety with the deep grain of the Evergreen type. Vigorous growth, stalks often bear two ears. Deep wedge shaped grain of pearly whiteness and high sugar content. This is one of the finest corns on the market today.

Whipples' Large Early Yellow Sweet Corn—A larger ear than the Golden Bantam and from three to five days earlier. Ears are from seven to eight inches long, and very large around having twelve to sixteen rows of large kernels.



Golden Bantam Corn



Whipples' Early White Sweet Corn

Queen's Golden—Grain pops pure white, prolific, tender and of good quality.

Pop Corn

White Rice—Finest quality and most popular of all.

CORN PRICES—		BY MAIL POSTPAID						NOT PREPAID				
		Pkt.	½ lb.	1 lb.	2 lbs.	5 lbs.	10 lbs.	BY EXPRESS OR FREIGHT				
			1 lb.	2 lbs.	5 lbs.	10 lbs.	100 lbs.	1 lb.	2 lbs.	5 lbs.	10 lbs.	100 lbs.
Golden Bantam	10c	20c	35c	60c	1.30	2.35		25c	45c	90c	1.45	13.00
Howling Mob	10c	20c	35c	60c	1.30	2.35		25c	45c	90c	1.45	13.00
Mammoth Golden Giant	10c	20c	35c	60c	1.30	2.35		25c	45c	90c	1.45	13.00
Stowell Evergreen	10c	20c	35c	60c	1.30	2.35		25c	45c	90c	1.45	13.00
Whipple's Early White Sugar	10c	20c	35c	60c	1.30	2.35		25c	45c	90c	1.45	13.00
Whipple's Early Yellow	10c	20c	35c	60c	1.30	2.35		25c	45c	90c	1.45	13.00
Bantam Evergreen	10c	20c	30c	60c	1.30	2.35		25c	45c	90c	1.45	13.00
POP CORN—												
Queen's Golden	10c	20c	30c	50c	1.30	1.80		20c	35c	65c	1.10	10.00
White Rice	10c	20c	30c	50c	1.30	1.80		20c	35c	65c	1.10	10.00

Cress, or Peppergrass

One ounce will sow 150 feet of drill.

A popular salad which should be sown early in the Spring very thickly in shallow drills and at short intervals for succession, as it soon runs to seed.

By Mail Postpaid

	Pkt.	Oz.	1/4 lb.	1 lb.
Extra Curled —The best variety grown; leaves are beautifully cut and curled; highly prized for garnishing	\$0.10	\$0.15	\$0.50	\$1.50
True Water Cress —Water Cress requires a stream of running water, ditch or pond, in which it will grow without care, except at first keeping weeds from interfering with it	.10	1.00	3.00	...

Endive

One ounce of seed for 100 feet of drill.

One of our best salad plants. For a first crop sow about the middle of April; for succession small sowings may be made every month till August, when the main planting is made. Set out the plants 1 foot apart in rows and when well grown blanch by folding the leaves.

	Pkt.	Oz.	1/4 lb.	1 lb.
Broad-leaved (Escarolle) —Leaves long and broad; thick and succulent	\$0.10	\$0.20	\$0.50	\$1.75
Green Curled —Hardy, finely curled; easily blanched. One of the best	.10	.20	.50	1.75

Cucumbers

1 ounce to 60 hills, 2 to 3 pounds to acre.

For very early use seed may be started in heat and the plants set out in May. Pieces of inverted sod are an excellent medium for starting and growing early Cucumber plants, as they can readily be lifted from the hotbed to the garden without disturbing the young plants growing upon them. For main crop plant in hills 4 feet apart at the end of May. Keep the young plants safe from the striped bug by dusting with dry plaster or powdered Hellebore. Leave four strong plants to each hill.

By Mail Postpaid.

Davis' Perfect. An excellent variety both for outdoors and forcing purposes. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

Early Fortune. Very dark green skin, flesh thick, seed cavity small and excellent quality; for table use or pickles. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

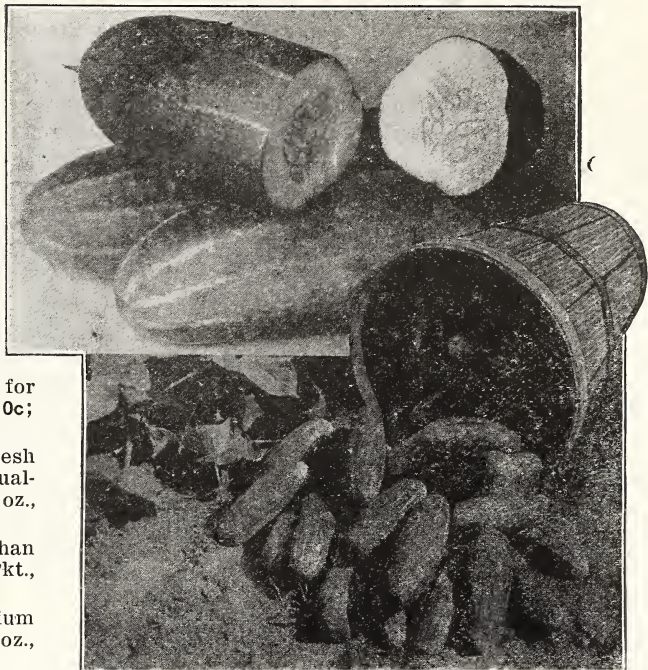
Extra Long White Spine. Much longer than ordinary White Spine; very prolific. Pkt., 10c; oz., 15c; ¼ lb., 44c; 1 lb., \$1.25.

Green Prolific Pickling. Dark green; medium strength; very free bearer. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

Improved Long Green. Long and crisp; a popular variety for pickles. Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.

Improved White Spine. Early and good for table use or for pickling; of medium length; dark green color and flesh crisp and excellent. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

West Indian Gherkin. Use only for pickles; the smallest of all varieties. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.25.



White Spine Cucumber

Kohl-Rabi One ounce will sow 300 feet of row.

Cultivate the same as the Cabbage, but in hoeing be careful not to throw earth into the heart of the plant or the bulb cannot be formed.

Early White Vienna—Very early and should be used before being fully grown. Pkt. ½ oz. Oz. ¼ lb. \$0.10 \$0.15 \$0.50 \$1.50
Flesh white with greenish white skin

Egg Plant One ounce will produce about 2000 plants.

The Egg Plant will thrive well in good garden soil. The seed should be sown in hotbed or warm greenhouse in March or April, and when about an inch high put in 2-inch pots. Plant about June 1st, 2½ feet apart. If no hotbed is at hand they can be grown in any light room when the temperature will average 75 degrees.

By Mail Postpaid
Pkt. ½ oz. Oz. ¼ lb. 1 lb

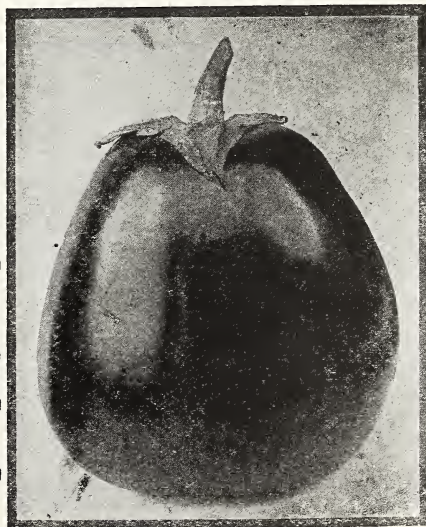
Florida High Bush—Strong upright growth. Fruit similar in form and size to New York purple \$0.10 \$0.20 \$0.35 \$1.20 \$4.00

Improved Spineless—Claimed to have fewer spines than New York improved; hence more easily gathered10 .20 .35 1.20 4.00

Black Beauty—As large as New York Improved but ten days earlier10 .20 .35 1.20 4.00

New York Improved—Purple; the best variety; very large, oval, heavy fruit10 .20 .35 1.20 4.00

Long Purple—Fruit longer and smaller than the above sort; hardy; productive10 .20 .35 1.20 4.00



Improved Spineless Egg Plant

Kale, or Borecole

All Prices Postpaid

Sow about the middle of April in prepared beds, covering thinly and evenly; plant out in June, following the directions recommended for cultivating Cabbage.

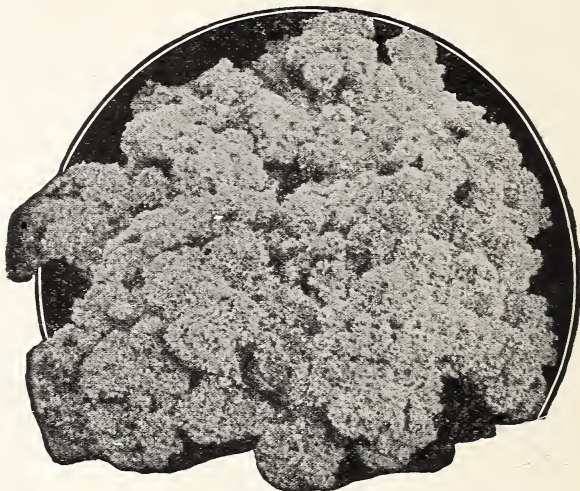
Dwarf Curled Siberian. Fine double curled leaves, very large. Will stand out all winter in this section without protection. Oz., 10c; ¼ lb., 25c; 1 lb., 80c; 5 lbs., \$3.50.

Dwarf Green Curled Scotch or Norfolk. It has a finely curled leaf and a low spreading growth. Sown in August and September. Will not stand through winter. Oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; 5 lbs., \$4.50.

Dwarf Blue Stem Curled Scotch Kale. This variety selected and developed from the finest types. Bred up to the largest and curliest types in existence we heartily recommend to all desiring to grow for market or shipping. Try some of this. Oz., 20c; ¼ lb., 60c; 1 lb., \$2.00; 5 lbs., \$9.00.

Late Seeded Siberian. Produces a large plant and the leaves are larger and more curled than the dwarf. If planted thinly, the plants grow to enormous size, covering in some instances two feet of ground. Oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.25.

Spring or Smooth. Very hardy and the best variety for spring sowing. ¼ lb., 10c; 1 lb., 25c; 5 lbs., 75c.



Dwarf Double Curled Siberian Kale

Leek

One ounce will sow 200 feet of drill.

The leek is very hardy and easily cultivated; it succeeds best in light but well enriched soil. Sow as early in the Spring as practicable, in drills 1 inch deep and 1 foot apart. When 6 to 8 inches high transplant in rows 10 inches apart each way as deep as possible, that the neck, being covered, may be blanched.

	By Mail Prepaid		
	Pkt.	Oz.	¼ lb.
Large American Flag—The most desirable for market or family use	\$0.10	\$0.20	\$0.65
Musselburgh, or Carentan—A very large variety of superior quality .....	.10	.20	.65



Blue Ribbon Big Boston Head

Lettuce

One ounce will sow 200 feet of drill.

Blue Ribbon Big Boston. Splendid shipper, sure header, reliable and hardy. Unsurpassed for outside culture and winter forcing. Heads extra large and compact, leaves broad, smooth and wavy at the edge, light green in color. Our Blue Ribbon Strain of Big Boston is very superior to ordinary stocks, heads being free from brownish rust. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.

Big Boston. Fine for forcing in coldframes or for open ground. Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75.

Deacon. A splendid variety for standing the Summer heat; large, solid head. Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

Giant Crystal Head, or Iceberg. Large, solid; outside leaves bright green, inside white. Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75.

Hanson Improved. Heads large, hearts quickly, and stands the Summer well. Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

California Cream Butter. A cabbage heading variety suitable for all season planting. Heads large, tender and sweet. Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

Lettuce—(Continued)

	Postpaid			
	Pkt.	Oz.	¼ lb.	Lb.
May King—Extra large, solid heads; light green outside, with clear yellow heart; very tender and of fine flavor; splendid forcer	\$0.10	\$0.15	\$0.45	\$1.50
New York, or Wonderful—Large solid heads; inside very white .....	.10	.30	1.00	3.00
Way Ahead—The leaves are light green, heads blanched to a rich yellow tint ....	.10	.15	.45	1.50
These are distinct from the ordinary Lettuce, and much liked on account of their crisp, tender quality. They produce long, narrow leaves, blanched by drawing in the outer leaves and tying.				
Eclipse Cos—A perfectly distinct variety. It is the dwarfest Cos Lettuce .....	.10	.20	.70	2.50
Paris White, or Trianon Cos, Romaine—One of the finest varieties for Summer use .....	.10	.20	.60	2.00
Black-Seeded Simpson—Nearly double the size of Curled Simpson .....	.10	.15	.45	1.50
Early Curled Simpson—One of the earliest and best for market .....	.10	.15	.45	1.50
Grand Rapids—This is regarded as the best forcing loose-leaved variety .....	.10	.15	.45	1.50

Musk Melon

One ounce will plant 60 hills.

	By Mail Prepaid			
	Pkt.	Oz.	¼ lb.	1 lb.
Emerald Gem—Small, early; dark green skin; orange flesh; very sweet	\$0.10	\$0.15	\$0.45	\$1.50
Hackensack—Large, round and good quality .....	.10	.15	.45	1.50
Honey Dew—Large, round to oval in shape, skin smooth, hard and nearly white, flesh light green. Excellent flavor .....	.10	.20	.50	1.75
Osage, or Miller's Cream—A large oval, orange-salmon flesh Melon of superior quality .....	.10	.15	.45	1.50
Rocky Ford—Very sweet and fine flavored; oblong; light green flesh .....	.10	.15	.35	1.00
Tip Top—A slightly oval shape, netted and yellow-flesh variety; fine flavor ...	.10	.15	.45	1.50



Tip Top Cantaloupe

Hoodoo or Hearts of Gold—An orange fleshed melon of medium size. Fruits are uniform, medium in size, nearly round. The flesh is thick, firm, highly colored and delicious. 1 pkt. 10c, oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

Tip Top—One of the old popular gardener's type. Grows large, yellow when ripe, deep ribbed. Flesh very thick golden yellow and delightfully sweet. Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50

Eden Gem—A green flesh type of Rocky Ford Melon, shape round, very uniform in size. The flesh is very thick and it is a good shipper. Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

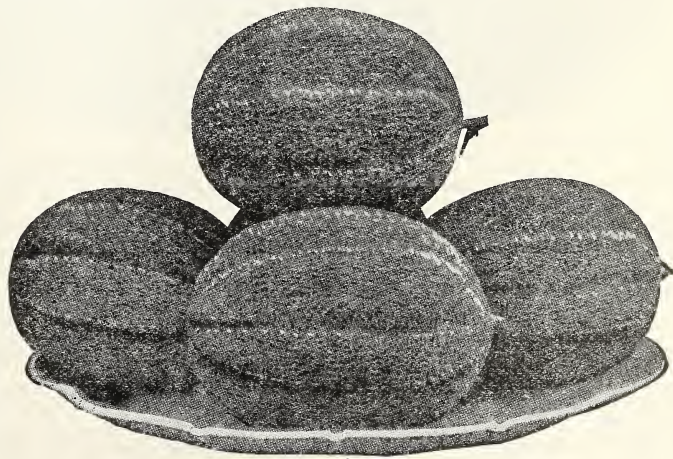
Knights Extra Early—An extremely early medium size melon, gray netted and distinctly ribbed. Flesh fairly thick and very sweet. A good shipper. Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.

Robinson's Gold-Lined—One of the sweetest and most delicious melons grown. The flesh is thick, very tender and of a beautiful green color. Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.

Bender Surprise—A large salmon fleshed Melon, delicious. Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50.

Banana—Banana shape. Long, smooth, yellow-skinned, salmon fleshed melon. 1 pkt., 10c; 1 oz., 15c; ¼ lb., 50c; 1 lb., \$1.75.

Blue Ribbon Gem—The finest green fleshed cantaloupe. A very large, exceptionally fine melon of the Rocky Ford type. About two weeks earlier than other varieties. Very prolific and hardy. Has phenomenally thick green flesh with golden yellow lining, small seed pockets, beautifully netted, slightly ribbed; excellent for table and market. Color, light green. Try this king of all muskmelons. 1 pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.



Blue Ribbon Gem Cantaloupe

Watermelons

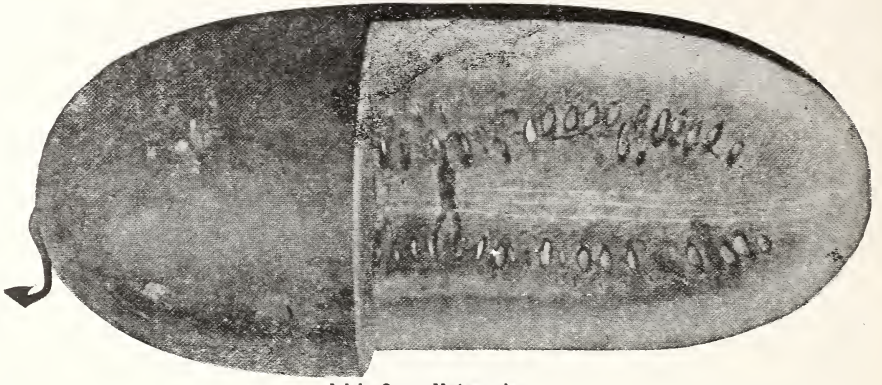
One ounce will plant about 30 hills.

Plant in hills as directed for Musk Melons and treat in all respects the same, except that the hills should be 8 to 10 feet apart.

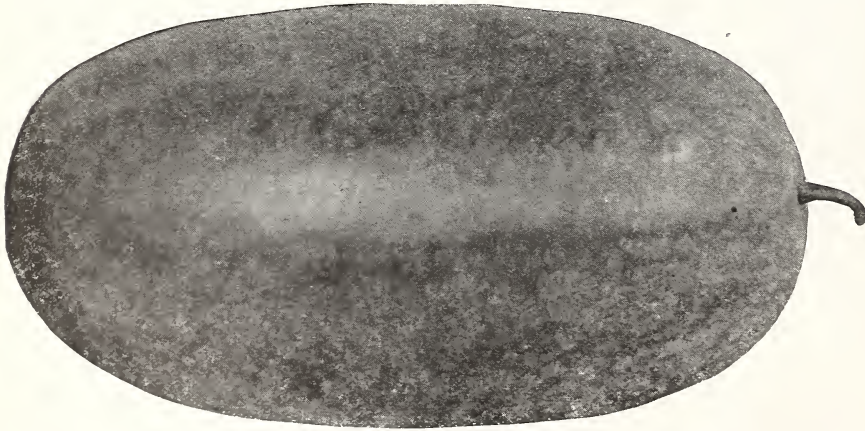
Blue Ribbon Special Tom Watson—Most largely planted in the South. One of the best main crop sorts; grows to a very large size. Color, dark green, medium thick rind. Flesh rich red. Tender, juicy and luscious far into the rind.

Florida Favorite—Color dark green; flesh, rich red; rind, medium thick but tough, making it a fairly good shipper.
Citron—Of no value except for preserves; for this purpose it is very fine.
Halbert's Honey—Shape oblong and very large, dark green rind. Flesh is deep crimson in color.
Irish Gray—A light greenish gray color. The rind is very hard and firm. The flesh is bright red, sweet and firm.

Augusta Rattlesnake—It is beautifully marked light green with dark green stripes.
Kleckley Sweet—Kleckley Sweet is still the mainstay of thousands of melon growers. Very thin rind, large, long and dark green in color and exceedingly sweet. Flesh deep red, ripening almost to the rind.
Peerless or Ice Cream—Medium size is oblong with dark green rind; flesh scarlet and of good flavor.
New Stone Mountain Melon—The largest in size, heaviest, sweetest, juiciest, solid throughout with fewer seeds of any melon ever introduced. Eat a great big chunk of heart, and it's most all heart, of a cold Stone Mountain melon and you'll never want to taste any other kind. Its big, dark green, almost round or "square-shaped," thin rind, deep colored watermelon-pink flesh, seeds white with brown edges.



Irish Gray Watermelon



Stone Mountain Watermelon

Alabama Sweet—This variety is moderately early, oblong in form and of large size. Skin, medium green, irregularly striped a dark green, flesh bright scarlet, tender, sweet and firm. Has a tough rind.

Excell—Largest of the shipping varieties, midseason, fruit long, dark green with mottled stripes of a darker green. The flesh is red and very crisp.

BY MAIL POSTPAID

WATERMELON—	Pkt.	Oz.	¼ lb.	Lb.
Alabama Sweet	10c	15c	30c	75c
Augusta Rattlesnake	10c	15c	30c	75c
B. R. Tom Watson	10c	15c	30c	75c
Halbert's Honey	10c	15c	35c	1.00
Irish Gray	10c	15c	35c	1.00
Kleckley Sweet	10c	15c	35c	1.00
Peerless or Ice Cream	10c	15c	30c	75c
Excell	10c	15c	35c	1.00
Florida Favorite	10c	15c	30c	75c
Stone Mountain	10c	20c	50c	1.50
Citron	10c	15c	30c	75c

NOTE—In quantities of one pound or more, at purchaser's expense, deduct ten cents per lb.

Mustard

By Mail Postpaid
Pkt. Ok. ¼lb. 1 lb.

Chinese Mustard —A very vigorous sort; leaves light green. much crumpled, sweetly pungent. Very large	\$0.10	\$0.15	\$0.25	\$0.75
Fordhook Mustard —One of the best that grows for early Spring sowing, because it gets larger than any other mustard before shooting to seed .....	.10	.15	.25	.75
Southern Giant Curled —Very succulent, pungent, and of sweet flavor. Used the same as spinach or boiled with meat as greens. Cut when three inches high .	.10	.15	.25	.75

Okra, or Gumbo

One ounce will plant 100 hills

This plant is extensively cultivated for its green pods, which are used in soups and stews, and are very wholesome and nutritious. Sow about the middle of May in drills 3 feet apart and thin out the plants to 1 foot apart.

By Mail Postpaid

Oz. ¼lb. 1 lb.

Dwarf Green —Very early; smooth pods	\$0.10	\$0.20	\$0.50
Perkin's Long Green —Long ribbed pods; very productive .....	.10	.20	.50
White Velvet —Tender white pods; smooth and velvety in appearance .....	.10	.20	.50

Onions

One ounce will sow 200 feet of drill.

4 to 5 pounds to the acre.

Sow in drills 1 foot apart and cover about one-third of an inch, treading or rolling after sowing so that the hot, dry atmosphere may not destroy the sprouting seed. When 3 inches high thin to 2 inches apart. Stir the ground freely without disturbing the young plants and keep free from weeds. For growing Sets do not thin.

RED VARIETIES

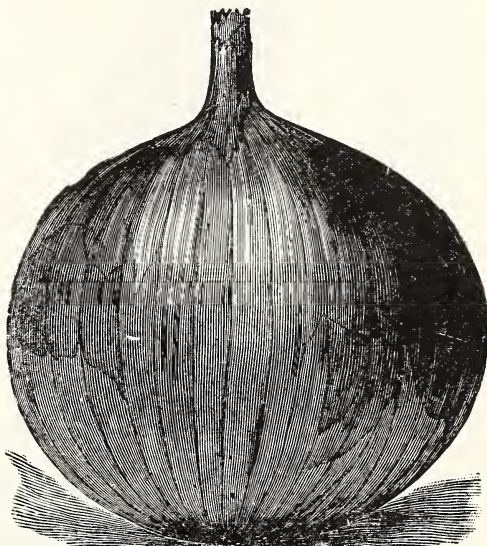
Mail Postpaid

Pkt. Oz. ¼ lb. 1 lb.

Large Red Wethersfield. Half early and a good keeper; large size	\$0.10	\$0.30	\$0.75	\$2.25
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WHITE VARIETIES

Large White Portugal. The large, flat sort of the New York markets10	.20	.50	1.50
Large White Globe (Southport Strain). Very large and handsome .....	.10	.50	1.50	4.00



Red Wethersfield Onions

YELLOW VARIETIES

Pkt. Oz. ¼ lb. 1 lb.

Danvers Yellow. A round, flat, standard sort; early and a good keeper	\$0.10	\$0.20	\$0.40	\$1.00
Yellow Globe Danvers (Southport Strain). Of more globular shape; keeps well..	.10	.25	.60	2.00
Japanese or Ebenezer. Bright yellow flat .....	.10	.25	.50	1.75
Australian Brown. Noted for its keeping qualities and peculiar brown color; early, semi-globe shaped; productive.....	.10	.30	.60	2.00

Onion Sets

Three quarts will plant 100 yards of row.

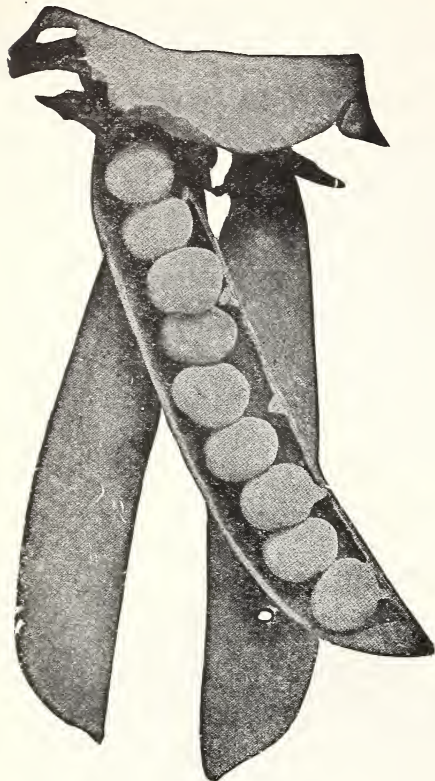
Onion Sets should be planted early in the Spring in rows 12 inches apart, placing the sets 4 inches apart in the row. When raised from the sets the Onion can be used in the green state in June, or they will be matured by July.

By Mail Postpaid

1 lb. 5 lbs. 10 lbs.

Red Onion Sets	\$0.30	\$1.25	\$2.25
Yellow Onion Sets .....	.30	1.25	2.25
White Onion Sets .....	.30	1.25	2.25
Japanese Yellow Onion Sets —Excellent for yield and quality .....	.30	1.25	2.25
Garlic .....	.25	1.25	2.45

Prices of Onion Sets are subject to market changes. Ask for prices in bushel lots.



Laxtonian Peas

Gradus, or Prosperity. The finest extra early Pea. The pods are very large and well filled, with large wrinkled green Peas .. 3

Laxtonian. Very large, dark green, curved pods and Peas of finest flavor 1½

Little Marvel. Very early, wringled Peas, long pods 2

Nott's Excelsior. Splendid early wrinkled sort; very prolific 1

Thomas Laxton. Very productive. The pods are large and contain seven or eight large wrinkled Peas of the finest flavor 3

Main Crop Peas

Alderman. One of the finest of the large podded main crop varieties. Pods measure nearly 6 inches, well filled 4

Champion of England. Well known standard variety 4

Telephone. Dark pod. A tall growing late sort, having pods of very large size, containing six or seven Peas of delicious flavor .. 4

White Marrowfat. A favorite; heavy yielder 4

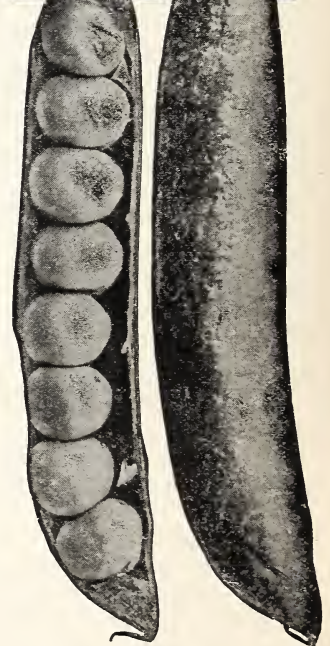
Peas

One quart will plant about 150 feet of drill.

Peas mature earliest in a light, rich soil; for general crop a rich loam is the best. When grown in gardens sow in double rows 6 to 8 inches apart, the rows 2 to 4 feet apart, the tall ones requiring brush. Commence sowing the extra early varieties as early as the ground can be worked in February or March and continue for a succession every two weeks until July.

Extra Early Dwarf Peas

	Height in feet
First and Best. Extra early smooth peas .. 2½	
Alaska. One of the very earliest blue Peas; quite productive 2½	
Blue Bantam. A fine extra early wrinkled Pea. Large pods well filled with deep green fine flavored Peas .. 1½	
McLean's Little Gem. Light green pod 3 inches long 2½	
Claudite. Pod much larger than Alaska .. 4	
Hundredfold. Similar to Laxtonian 2½	



PEAS—Early Varieties							BY MAIL POSTPAID					NOT PREPAID BY EXPRESS OR FREIGHT				
	Pkt.	½ lb.	1 lb.	2 lbs.	5 lbs.	10 lbs.	1 lb.	2 lbs.	5 lbs.	10 lbs.	100 lbs.	1 lb.	2 lbs.	5 lbs.	10 lbs.	100 lbs.
Alaskas	10c	20c	40c	60c	\$1.20	\$2.25	20c	35c	60c	\$1.10	\$10.00	20c	35c	60c	\$1.10	\$10.00
First & Best	10c	20c	40c	60c	1.35	2.50	25c	45c	95c	1.70	15.00	25c	45c	95c	1.70	15.00
Thos. Laxton	10c	25c	40c	75c	1.50	2.85	30c	50c	1.10	2.00	18.00	30c	50c	1.10	2.00	18.00
New Claudit	10c	25c	40c	75c	1.50	2.85	30c	50c	1.10	2.00	18.00	30c	50c	1.10	2.00	18.00
Gradus	10c	25c	40c	75c	1.50	2.85	30c	50c	1.10	2.00	18.00	30c	50c	1.10	2.00	18.00
Hundredfold	10c	25c	40c	80c	1.70	3.25	35c	60c	1.35	2.45	22.00	35c	60c	1.35	2.45	22.00
Laxtonian	10c	25c	40c	80c	1.70	3.25	35c	60c	1.35	2.45	22.00	35c	60c	1.35	2.45	22.00
Little Marvel	10c	25c	40c	75c	1.50	2.85	30c	50c	1.10	2.00	18.00	30c	50c	1.10	2.00	18.00
McLean's Little Gem	10c	25c	40c	75c	1.50	2.85	30c	50c	1.10	2.00	18.00	30c	50c	1.10	2.00	18.00
Nott's Excelsior	10c	25c	40c	75c	1.50	2.85	30c	50c	1.10	2.00	18.00	30c	50c	1.10	2.00	18.00
Alderman	10c	25c	40c	80c	1.60	3.00	30c	55c	1.20	2.10	20.00	30c	55c	1.20	2.10	20.00
Chmp. of England	10c	25c	40c	75c	1.50	2.85	30c	50c	1.10	2.00	18.00	30c	50c	1.10	2.00	18.00
Imp. Dark Pod Telephone	10c	25c	40c	60c	1.35	2.50	25c	45c	95c	1.70	15.00	25c	45c	95c	1.70	15.00
Large White Marrowfat	10c	25c	40c	60c	1.35	2.50	30c	45c	95c	1.70	15.00	30c	45c	95c	1.70	15.00
Blue Bantam	10c	25c	40c	80c	1.60	3.00	30c	55c	1.20	2.00	20.00	30c	55c	1.20	2.00	20.00

Parsnips

One ounce will sow 200 feet of drill

Sow Parsnip seed as early in the Spring as the weather will permit, in drills from 15 to 18 inches apart, covering with fine soil to the depth of half an inch. The soil should be rich and deep; manured if possible, the previous Autumn. Thin out the young plants to about 6 inches apart and keep the surface of the ground open and free from weeds. It is perfectly hardy and may remain in the ground throughout the Winter. Indeed, the fine sugary flavor is only perfected by a severe frost. Postpaid.

	Pkt.	Oz.	¼ lb.	Lb.
American Hollow Crown. Long, smooth and milky white	\$0.10	\$0.15	\$0.35	\$1.00

Parsley

One ounce will sow 200 feet of row.

Sow as early as possible in Spring; first soaking the seed three hours in water; cover lightly, raking the soil fine and level on top. The drills should be about 15 inches apart. The plants appear in two to four weeks. Thin to 3 inches apart

	Pkt.	Oz.	¼ lb.	Lb.
Extra Double, or Moss Curled. A beautiful curled dwarf variety	\$0.10	\$0.15	\$0.40	\$1.00
Plain. A plain-leaved variety; fine for flavoring .....	.10	.15	.40	1.00

Peanuts

Peanuts are readily grown and when shelled can be planted in April or May in drills 2½ to 3 feet apart, placing the seeds 12 to 15 inches apart in the drills. By mail Postpaid.

Spanish—Smaller than Improved Virginia, but very early and extremely productive. 1 lb., 30c; 5 lbs., \$1.25

Improved Virginia. Grows upright and produces heavy crops of large nuts. 1 lb., 30c; 5 lbs., \$1.25.

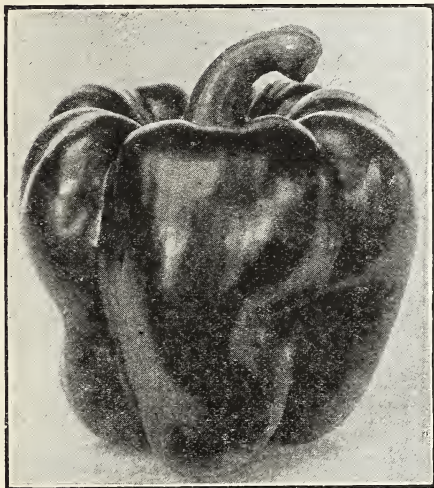
Tenn. Red. Similar to Spanish but the pods are longer, usually containing four nuts and sometimes five, mild and sweet flavor. 1 lb., 30c; 5 lbs., \$1.25.

Pepper

One ounce will produce 2000 plants.

Sow in hotbeds in March, and when the soil has become warm, set in rows 2 feet apart and 18 inches in the rows; hoe frequently. Plants may also be forwarded in small pots. By mail postpaid.

	Pkt.	½ oz.	Oz.	¼ lb.
Chinese Giant . Very large, bright scarlet	\$0.10	\$0.25	\$0.40	\$1.50
Large Bell or Bull Nose . Large, bright red, largely used for pickling, mild flavor .....	.10	.25	.40	1.50
Pimento . Very large; flesh mild and sweet. Smaller than Ruby Giant .....	.10	.25	.40	1.50
Ruby Giant . Bright red, 4 to 6 inches long; best for stuffing .....	.10	.25	.35	1.40
Sweet Mountain . Large size, regular handsome shape, mild flavor .....	.10	.25	.40	1.50
Royal King . Sweet, glossy red, very mild .....	.10	.25	.40	1.50
Cayenne, Long Red . Bright red, slender pods; 3 inches long .....	.10	.25	.40	1.50
Red Cherry . Small, round red fruit .....	.10	.25	.40	1.50
Red Chili . Very productive; very small; red and very pungent .....	.10	.25	.40	1.50



Ruby King Pepper

Pumpkins

One ounce will plant 50 hills.

The common practice is to drop two or three seeds in every second or third hill in the Corn-field, but if cultivated on a large scale the seed may be sown in hills 8 feet apart each way, four plants to each hill, and otherwise treated in the same manner as Melons or Cucumbers.

Cushaw or Crookneck—An excellent table variety, having much the same quality as the squash. It grows to a good size and is productive.

Kentucky Field—An old-time variety, grown largely for stock feeding. Productive and quite large.

Kentucky Mammoth—This is a very large variety, well adapted to the South and in spite of its size is of high quality.

Large Cheese—This is very much like a cheese in shape. The rind is a light buff color, the flesh firm.

Tennessee Sweet Potato—This is a medium-sized pumpkin; the rind is a creamy white, striped with light green.

PUMPKINS—

	By Mail Postpaid	Pkt.	Oz.	¼ lb.	Lb.
Cushaw or Crookneck	10c		30c		\$1.00
Kentucky Mammoth	10c		40c		1.25
Large Cheese	10c		30c		1.00
Tennessee Sweet Potato	10c		30c		1.00
Kentucky Field	10c		25c		.40

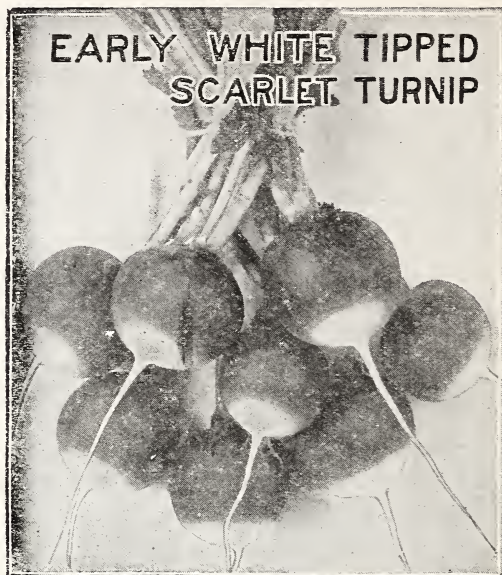
Radishes

One ounce of seed will sow 150 feet of drill. Radishes require a light, loamy soil, moderately fertile, which should be deeply dug and well pulverized. The situation should be warm and sheltered. For an early supply sow in January or February in hotbeds, keeping well ventilated. In May they may be sown out-of-doors. Successive sowings should be made every two weeks. Radishes to be crisp and tender should make a rapid growth.

Winter varieties should be sown in July and August.

FORCING VARIETIES

Early Scarlet Turnip Forc-	Pkt.	Oz.	¼ lb.	Lb.
ing. Crisp; very early, nearly round	\$0.10	\$0.15	\$0.30	\$1.00
Deep Scarlet Turnip Forcing or Non Plus Ultra. Round, short leaved, crisp; very early .....	.10	.15	.30	1.00



White Strasburg Radish

ALL VARIETIES

Postpaid in lots of 5 lbs. or more deduct 10c per lb. If not postpaid deduct 10c per lb.

	Pkt.	Oz.	¼ lb.	Lb.
Scarlet Turnip White-Tipped Forcing. Round, very early	\$0.10	\$0.15	\$0.30	\$1.00
Early Scarlet Globe. Fine for forcing or open ground..	.10	.15	.30	1.00
Turnip, Scarlet White-Tipped—Very early for frames or outdoors .....	.10	.15	.30	1.00
Wood Early Frame. Long red, early short top .....	.10	.15	.30	1.00
Olive-Shaped French Breakfast. Pink and white; early	.10	.15	.30	1.00
Long Scarlet Short Top. Very long; for frames or outdoors .....	.10	.15	.30	1.00
Long Icicle. Pure white; of fine flavor; suitable for forcing .....	.10	.15	.30	1.00

WINTER VARIETIES

White Strasburg—The flesh is white, tender and mild. Pure white, firm of flesh, brittle and retains its delicious crispness. It does well during the entire summer. Pkt., 10c; oz., 20c; ¼ lb., 40c; 1 lb., \$1.25.
Rose China Winter—Very largely planted for fall and winter use. Half-long in shape and of a bright crimson color. The flesh is white, fine grained and of good quality. Pkt., 10c; oz., 20c; ¼ lb., 40c; 1 lb., \$1.25.
Long Black Spanish. The popular Winter sort \$0.10 \$0.20 \$0.40 \$1.25
Round Black Spanish. Fine for Winter10 .20 .40 1.25
Long White Spanish. A long Winter variety, fine flavor and quality10 .20 .40 1.25
Giant White Stuttgart—Grows from four to five inches long, very thick at shoulder, but tapering to the lower end of the root. White and tender. 1 pkt., 10c; oz., 20c; ¼ lb., 40c; 1 lb., \$1.25.

Rhubarb

One ounce will produce 1000 plants.

Sow in drills 18 inches apart. When the plants are strong enough, thin out to 6 inches. In the Fall or following Spring, transplant the roots into deep, rich soil, 3 feet apart each way. By mail Postpaid.

Victoria. Very large; later than the Linnaeus. Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50, postpaid.

Rhubarb Roots. Extra strong. Each, 15c; doz., \$1.75; 100, \$12.00.

Rhubarb Roots. For forcing. Each, 25c; doz., \$2.00; 100, \$15.00.

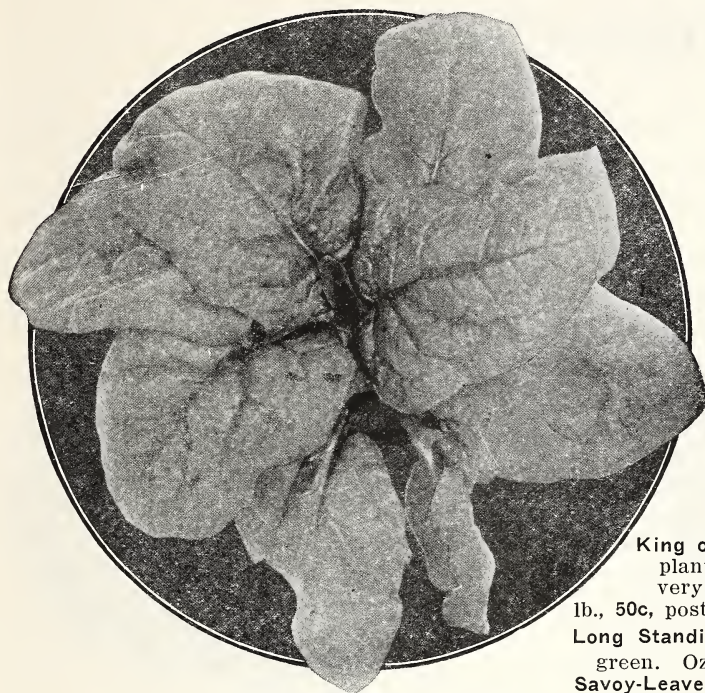
All roots postpaid or delivered by express prepaid.

Salsify, or Oyster Plant

One ounce will sow 150 feet.

A most delicious vegetable. It is used stewed, boiled, or fried, and sometimes as a salad. When cooked it has an oyster flavor. Sow seed from April to May in drills 18 inches apart. Cultivate the same as for Carrots or Parsnips. By mail postpaid.

Mammoth Sandwich Island. True. Large and superior; very fine flavor \$0.10 \$0.20 \$0.60 \$2.00



Bloomsdale Spinach

Viroflay Thick-Leaved. A standard sort, equally good for early Spring or Fall sowing. Oz., 10c; ¼ lb., 20c; lb., 45c, postpaid.

Spinach

One ounce will sow 200 feet of drill, 10 to 12 lbs. an acre.

This is best developed and most tender and succulent when grown in very rich soil. For Summer use sow early in Spring in drills 15 inches apart, and make successive sowings every two weeks. For Spring use sow in September, and cover lightly in November with light litter. By mail postpaid.

New Zealand. Makes a low spreading plant from which delicious tender greens can be gathered the entire Summer. Oz., 10c; ¼ lb., 30c; lb., \$1.00, postpaid.

Perpetual Summer, or Spinach Beet. Dark green leaves, which are produced all the Summer making a delicious Spinach when cooked. Oz., 20c; ¼ lb., 40c; lb., \$1.25, postpaid.

King of Denmark. A new variety for Spring planting. Dark green crumpled leaves and very slow to go to seed. Oz., 10c; ¼ lb., 15c; lb., 50c, postpaid.

Long Standing. Of delicious, tender quality; dark green. Oz., 10c; ¼ lb., 15c; lb., 50c, postpaid.

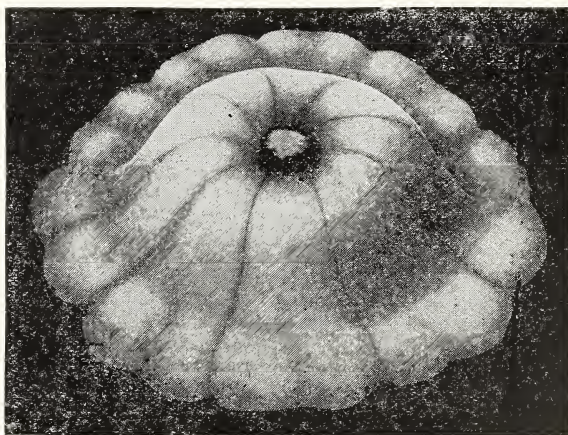
Savoy-Leaved, or Blommsdale. Large, tender curled leaves. Oz., 10c; ¼ lb., 15c; lb., 45c, postpaid.

Squash

One ounce Early Squash will plant about 50 hills.

One ounce Marrow Squash will plant about 25 hills.

The Squash succeeds best in good rich soil. It is not advisable to plant before May 15th. Sow in hills in the same manner as Cucumbers and Melons. Use seed freely, 8 to 12 seeds to the hill, to provide for losses by insects.



Improved Early White Bush Squash

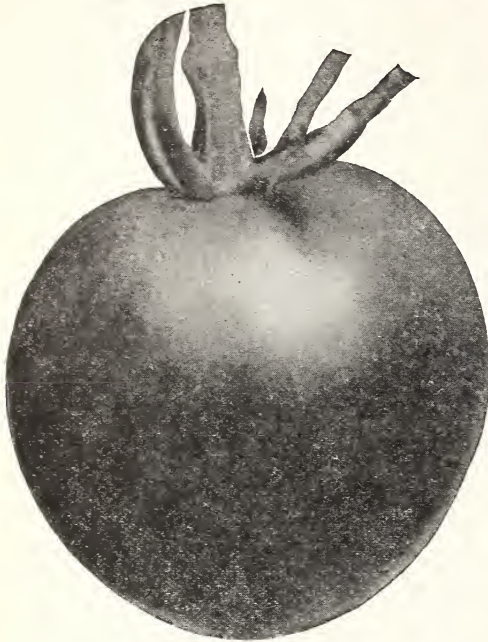
BUSH VARIETIES

	Pkt.	Oz.	¼ lb.	Lb.
Improved Early White Bush Scallop. A good early shipping variety	\$0.10	\$0.15	\$0.35	\$1.00
Giant Summer Crookneck. Double the size of Summer Crookneck .....	.10	.15	.35	1.00
Golden Summer Crookneck. Yellow fruit; distinct; best for Summer .....	.10	.15	.35	1.00

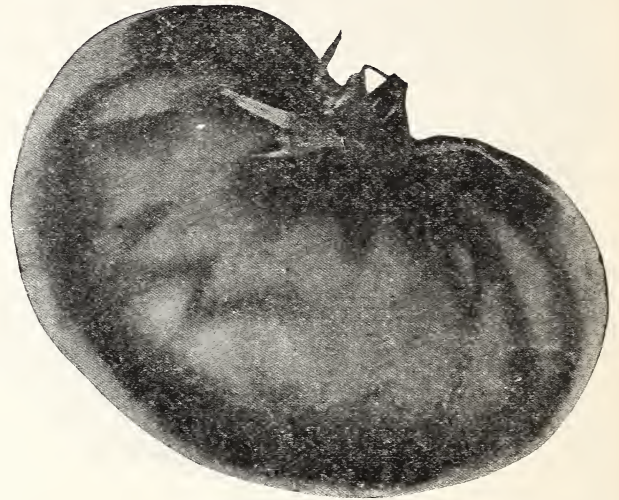
RUNNING VARIETIES

	Pkt.	Oz.	¼ lb.	Lb.
Boston Marrow. Oval; bright orange; flesh yellow and fine	\$0.10	\$0.15	\$0.35	\$1.10
Fordhook. A desirable variety for Summer and Winter use; fruit oblong in shape, smooth yellow skin, flesh light yellow .....	.10	.15	.35	1.00
Improved Hubbard. Well known and liked for late use .....	.10	.15	.35	1.00

Tomatoes



Marglobe Tomato



Ponderosa Tomato

One ounce will produce 1,000 plants.

Sow thinly about the first week in March in a hotbed, greenhouse, window or sitting room, where the temperature is never below 60 degrees. When 2 inches high, set out the plants in boxes about 4 inches apart, or pot singly. About the first of June they may be transferred to the open ground. Set them deeply 4 feet apart. By mail postpaid.

Outdoor Varieties

	MAIL POSTPAID				
	Pkt.	½ oz.	Oz.	¼ lb.	1 lb.
Bonny Best. A very early bright red variety. Smooth, solid and uniform.	\$0.10	\$0.20	\$0.35	\$1.15	\$4.00
Chalk's Jewel. An exceptionally fine early variety. Color crimson .....	.10	.20	.35	1.15	4.00
Greater Baltimore—Midseason red. Firm, smooth .....	.10	.15	.25	.85	3.00
June Pink—Uniform, smooth, pink .....	.10	.25	.45	1.65	6.00
Acme—Early purplest red. Smooth, solid .....	.10	.15	.25	.85	3.00
Beauty—Early purplest red. Smooth, solid .....	.10	.15	.25	.85	3.00
Brimmer—Similar to Ponderosa. Rich red, almost seedless .....	.10	.25	.45	1.65	6.00
Livingston Globe—Purplish pink. Solid, desirable for greenhouse .....	.10	.15	.25	.85	3.00
Marglobe—Bright red. Second early, fruit large, smooth and globe shaped, almost coreless. Excellent for home or truck gardening .....	.20	.35	.60	2.00	7.00
Crimson Cushion—Extra large, handsome, bright crimson .....	.10	.15	.25	.85	3.00
Dwarf Champion—The plant is of dwarf and compact growth .....	.10	.20	.35	1.15	4.00
Dwarf Stone—Color bright scarlet, perfect shape; resembles Dwarf Champion, but with larger fruit .....	.10	.20	.35	.90	3.25
Earliana—Extra early; bright red; smooth .....	.10	.20	.35	1.15	4.00
Golden Queen—A good yellow sort; first-class quality; large and solid ....	.10	.20	.35	1.00	3.75
John Baer—A beautiful, brilliant red variety; perfect, solid, high crown fruits .....	.10	.15	.25	.85	3.00
Matchless—Extra large, smooth and handsome, bright red; very solid .....	.10	.20	.35	1.15	4.00
Ponderosa—The largest variety in cultivation; very solid and meaty, purple	.10	.25	.45	1.65	6.00
Ponderosa Yellow—Truly as the name implies .....	.20	.35	.60	2.00	7.00
Stone—Very large, perfectly smooth; fine, bright scarlet .....	.10	.15	.25	.85	3.00

SMALL FRUITED TOMATOES

Red Cherry—Small fruits; used for pickles; very handsome .....	.10	.20	.40	1.25
Yellow Pear—Handsome, yellow, Pear-shaped fruits .....	.10	.20	.40	1.25
Yellow Plum—Round and regular; bright yellow .....	.10	.20	.40	1.25

Tobacco

The Crop that Made Kentucky Famous

Culture—Seed is sown in February in a plant bed which is protected by a thin cotton cloth and set about June first in highly fertilized ground in rows three and a half by three feet. Cultivate often and worm and sucked as needed. Use Acme Brand Potato and Tobacco Fertilizer. One ounce sows 50 square yards, sufficient to set two or three acres.

SHIPP'S SEED are furnished in the following well known varieties of Burley tobacco that have been selected for their best Burley qualities. They have been developed resistant to **ROOT-ROT** by the Kentucky Experiment Station, and successfully grown all over the Burley District. Don't run the risk of your important tobacco crop by planting inferior seed of unknown quality. Play safe. **ROOT-ROT**, that destructive tobacco disease, causes poor yields, late maturity and irregular stands, exists in over 60 per cent of all our Burley soils, often unknown to the grower, can only be overcome by using **Root-Rot Resistant** seed. Insure your crop against failure by ordering **SHIPP'S ROOT-ROT RESISTANT SEED**. Furnished in the following additional varieties.

SHIPP'S KENTUCKY EXPERIMENT STATION ROOT-ROT RESISTANT BURLEY TOBACCO SEED are grown direct from a **PURE** selection of the latest improved type of Stand-up White Burley developed by the Agriculture Experiment Station. Cultivated, re-cleaned and tested in the same exacting, scientific manner, they represent the best in tobacco seed and produce crops that equal any grown, some of which average as high as 2,000 pounds to the acre. The best selection made by the tobacco experts at the Experiment Station. A splendid type for cigarette wrappers and smokers, making a high grade leaf with good color, quality and weight. Price, \$1.50 per oz.; ½ oz. 75c. Postpaid.

KELLEY'S TYPE OF STAND-UP WHITE BURLEY—ROOT ROOT-ROT RESISTANT—One of the best known varieties grown in the Burley district, noted for its high class Burley. A big improvement over the old type, meeting all requirements for the tobacco grower. Price, \$1.50 per oz.; ½ oz., 75c. Postpaid.

JUDY'S PRIDE TYPE OF STAND-UP WHITE BURLEY—ROOT-ROT RESISTANT—A type desired in many sections of the Burley district. Holds its leaves off the ground. Produces a bright leaf of high quality. Price, \$1.50 per oz.; ½ oz., 75c.

RED BURLEY—ROOT-ROT RESISTANT—A Heavy type where weight is wanted with good color and quality. It belongs to the stand-up types, holding its leaves off of the ground. Price, \$1.50 per oz.; ½ oz., 75c. Postpaid.

WHITE TWIST BUD—ROOT-ROT RESISTANT—One of the Heavier types with good quality. Leaf is long and broad. Leaves droop somewhat, showing the prominent white ribs. Price, \$1.50 per oz.; ½ oz., 75c. Postpaid.

Cigar Tobacco

Connecticut Seed Leaf—A quick maturing, stocky sort; leaves are moderate length and of a good width. Good for fillers. Pkt., 10c; oz., 50c; ¼ lb., \$1.25.

Red Burley—Well known. Pkt., 10c; oz., 50c; ¼ lb., \$1.25.

White Burley—Well known. Pkt., 10c; oz., 50c; ¼ lb., \$1.25.

Vuelta De Abajo—The finest, silkiest and most highly flavored Havana. First crop seed carefully grown. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

Select Varieties

Broad Leaf Gooch—A good variety for heavy mahogany wrappers as well as bright grades. Best suited to gray or sandy soils. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

Improved Yellow Pryor—Makes fine plug wrappers, cutters, fillers and smoking tobacco. On rich land yields a heavy crop. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

Improved Yellow Oronoko—Fine yellow wrappers and splendid for cutters or smoking. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

Kentucky Yellow—A fine broad-leaved sort, suitable for strips; dark wrappers and fillers. Suitable for rich, alluvial soils. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

Judy's Pride White Burley Tobacco Seed—This type of tobacco seed grows very fine White Burley. Same yields from 1,500 to 2,000 pounds an acre. Each and every stalk of seed is selected with much care, and each and every ounce is grown under cover. Tobacco grown from this seed shows very high color, which is in great demand by all companies. 1 pkt., 10c; oz., 40c; ¼ lb., \$1.25.

Standard Varieties

Blue Pryor—A favorite heavy, dark tobacco for black strips, wrappers and fillers. Broad, long leaves. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

One Sucker—A popular variety of tobacco having leaves of good breadth and quality. Best planted in alluvial soil or rich red clay land. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

Big Oronoko—Broad, long leaf, of fine texture; dark color, good for fillers and strips for sun cured tobacco. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

Sweet Oronoko—One of the best for fillers, smoking or homespun twist. It cures a rich red; has a long narrow leaf. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

Improved Gold Leaf—It grows large and erect; can be topped higher than other sorts and will retain its size and weight of leaf. Cures bright or mahogany and will make wrappers of the finest quality. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

Turnips

One ounce will sow 200 feet of drill

Turnips do best on highly enriched, light sandy or gravelly soil. Commence sowing the earliest varieties in April, in drills, from 12 to 15 inches apart, and thin out early to 6 or 9 inches in the rows. For a succession, sow at intervals of two weeks, until the middle of August.

Early Red or Purple Top Strapleaved—A good early, flat turnip. Roots are redish purple above ground. Roots are in best condition for table use when about half grown.

Extra Early Red or Purple Top Milan—This is the very best early turnip. Extremely early, of high quality and rapid growth. Fine for either market or house use.

Extra Early White Milan—Similar to the red, but roots are white clear through.

Large Amber or Yellow Globe—Grows to a large size, of globe shape with light yellow skin; flesh is also yellow and of good quality.

Large White Norfolk—A variety grown extensively for stock-feeding, also for use as greens.

Long White Cowhorn—Rather resembles a carrot in growth, although generally inclined to be crooked.

It is for rapid growth, pure white and good for either stock or table use.

Pomeranian White Globe—A fine variety.

Purple Top Yellow Aberdeen—Rather resembles Swede turnip. The flesh is a pale yellow, very firm and the roots keep well on into spring. It is later than most varieties, so should be sown a couple of weeks sooner than the other varieties for fall use.

Seven Top—Used extensively for greens, as it is very hardy and continues to grow throughout the winter. The roots are of no value, as the plant develops so much top. Used for grazing in the South.

Southern Prize—A very hardy sort; used largely for greens in same manner as Seven Top. The roots are also valuable for stock feeding, growing to a large size.

White Flat Dutch (Strap Leaved)—Similar to the above, except that entire root is white.

Wood, Stubbs Co.'s Improved Purple Top Globe—Our special strain of this turnip is extra fine. It has small tops and the roots are very uniform.

White Egg—An oval-shaped white turnip, the roots of which grow partly out of the ground.

Rutabaga

American Purple Top Yellow—This is the finest strain of Swede turnip procurable, both as to quality and production. The roots are large, but not coarse.

TURNIPS—

	MAIL POSTPAID			
	Pkt.	Oz.	¼ lb.	Lb.
Ex. Ey. Purple Top Milan	10c	15c	30c	\$1.00
Ex. Ey. White Milan	10c	15c	30c	1.00
Purple Top Globe		10c	20c	65c

All other varieties listed the same price as Purple Top Globe.

RUTABAGA—

	Oz.	¼ lb.	Lb.
Purple Top Yellow	10c	20c	65c

In quantities of one pound or more, at purchasers expense, deduct ten cents per pound.

Herbs—Sweet and Medicinal

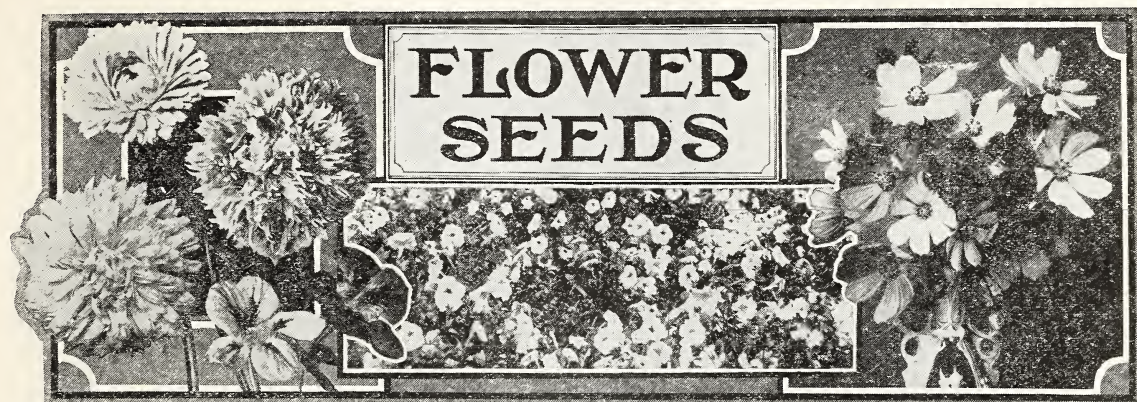
Plant in the Spring, when the ground is warm, in drills, covering lightly. When the plants are well up, thin out or transplant to about 4 inches apart. They should be harvested on a dry day just before the blossom develops, dried quickly and bottled, or closely packed in dry boxes with the air entirely excluded.

By Mail Postpaid
Pkt. Oz.

Anise—Annual. Used for flavoring and garnishing	\$0.10	\$0.30
Balm—Perennial. Leaves have a fragrant odor and are used medicinally .....	.10	.40
Basil, Sweet—Annual. Used for flavoring soups, stews, etc. ....	.10	.40
Borage—Annual. Leaves are used for flavoring, and bees are attracted by the flowers .....	.10	.40
Caraway—Perennial. Used for flavoring confectionery, bread, etc. ....	.10	.30
Coriander—Annual. Used in the manufacture of confectionery .....	.10	.40
Dill—Biennial. The seeds are aromatic and pungent. Used in pickling Cucumbers .....	.10	.30

By Mail Postpaid
Pkt. Oz.

Fennel, Sweet—Perennial. Leaves when boiled are used in sauces .....	.10	.30
Horehound—Perennial. Used medicinally, also for seasoning .....	.10	.50
Marjoram, Sweet—Annual. Aromatic and fragrant. Much used in flavoring .....	.10	.50
Sage—Perennial. More used than any other herb for dressings and seasonings .....	.10	.50
Summer Savory—Annual. Used for flavoring soups and dressings .....	.10	.50
Thyme—Perennial. Used for seasoning. Also used medicinally .....	.10	1.00



Blue Ribbon Flower Seeds

ALL FLOWER SEEDS ARE MAILED FREE AT PACKET, OUNCE AND POUND RATE TO ANY POST OFFICE IN THE UNITED STATES

The following list contains a most complete assortment of the choicest and most popular flowers for either conservatory, greenhouse or garden culture.

Annals grow from seed, flower, mature their seed, and die in one year, or, in other words, the same season.

Hardy Annals are those which can be sown in the open ground.

Half-Hardy Annals are those, which should be started early in the house, conservatory or hotbed, and transplanted to the garden in settled warm weather.

Biennials grow from seed, sown from June to August, flower, ripen their seed and die the next year, though some varieties bloom the same season if sown early in gentle heat.

Hardy Biennials will winter in the open ground without protection.

Perennials grow from seed, and continue flowering annually for many years after the first season. Some varieties flower the first season if planted early in gentle heat.

Half-Hardy Biennials require the protection of a coldframe or cool house during Winter.

Hardy Perennials can remain in the open ground during Winter without protection.

Half-Hardy Perennials require the protection of a coldframe or cool house during the Winter.

Tender or Greenhouse Perennials require window or greenhouse culture, free from frost during Winter and thrive in the garden during the warm months.

EXPLANATION OF FLOWER SEED ABBREVIATIONS

H. A. designates Hardy Annals—Lasting but one year.
H. H. A. " Half-Hardy Annals—Lasting but one year.
H. B. " Hardy Biennials—Lasting but two years.
H. H. B. " Half-Hardy Biennials—Require protection during Winter.
H. P. " Hardy Perennials—Lasting three or more years.

H. H. P. designates Half-Hardy Perennials—Require protection during Winter.
H. C. " Hardy Climber—Lasting three or more years.
G. P. " Greenhouse Plant.
H. A. C. " Hardy Annual Climber.

ACHILLEA ptarmica, "The Pearl." H. P. Double white flowers. Pkt., 10c.

ACROCLINIUM. H. A. Pretty everlasting flowers; fine for Winter bouquets. 1 ft.

Finest Mixed Colors. Double. $\frac{1}{4}$ oz., 20c; pkt., 10c.

AGERATUM. H. A. Blooms throughout the Summer; feathery flowers in clusters.

Blue Perfection. Very fine dwarf. 9 in. $\frac{1}{4}$ oz., 35c; pkt., 10c.

Mixed Dwarf. $\frac{1}{4}$ oz., 35c; pkt., 10c.

AGROSTEMMA coelirosa (Rose of Heaven). H. A. Bright rose; excellent for cutting. 18 in. $\frac{1}{4}$ oz., 35c; pkt., 10c.

ANTHEMIS kelwayi. H. P. Very pretty small flower, like a yellow Chrysanthemum. 6 in. $\frac{1}{4}$ oz., 75c; pkt., 15c.

ANTIRRHINUM. H. H. B. The Snapdragon is one of our finest biennials, flowering the first year as annals. Their rich spikes are beautiful for cutting, and keep fresh a long time. From seed sown in the open ground plants will bloom in July and August.

Large-flowering Half-Dwarf Varieties. The best for bedding purposes, growing about 18 inches high.

Dwarf Fine Mixture. All colors. $\frac{1}{4}$ oz., 60c; pkt., 15c.

Giant Large-flowered Mixed. Fine variety of colors. $\frac{1}{4}$ oz., 50c; pkt., 10c.

ALYSSUM. H. A. Pretty little plants for beds, vases, baskets, edgings or rockwork; blooming profusely all Summer.

maritimum (Sweet Alyssum). Fragrant white; flowers all Summer. 6 in., Oz., 50c; pkt., 10c.

maritimum compactum, Little Gem. Grows erect; fine for edging. Oz., 80c; pkt., 10c.

procumbens. Carpet of Snow. Dwarf; pure white. 4 in. ¼ oz., 25c; pkt., 10c.

AMARANTHUS. H. A. Ornamental foliage plants, producing a striking effect either in the conservatory or flower garden.

caudatus (Love Lies Bleeding). Long drooping crimson spikes. 3 ft. ¼ oz., 35c; pkt., 10c.

tricolor (Joseph's Coat). Leaves red, yellow and green 2 ft. ¼ oz., 50c; pkt., 10c.

ANCHUSA capensis. H. A. Flowers resembling large Forget-me-nots. 18 in. ¼ oz., 75c; pkt., 10c.

grandiflora (Dropmore Variety). H. P. Large flowered, dark blue. 5 ft. ½ oz., 50c; pkt., 15c.

AQUILEGIA or Columbine. H. P. Fine, free flowering, hardy border plant—one of our most desirable perennials. Seed may be planted in the open ground early in Spring and will in some varieties bloom in the same season. Best results, however, are obtained by planting in August for the next season's blooming.

Scott Ellison Strain Long-spurred Hybrids. A grand variety of colors of the long-spurred and large-flowered forms. 3 ft., 1-16 oz., 50; pkt., 10c.

chrysantha. Long-spurred, golden yellow. 2 ft. ½ oz., 50c; Pkt., 10c.

chrysantha grandiflora alba. Large pure white. 2 ft. ½ oz., 60c; pkt., 10c.

skinneri. A beautiful scarlet, tipped green. 2 ft. ¼ oz., 50c; pkt., 10c.

Single. Mixed colors. ¼ oz., 50c; pkt., 10c.

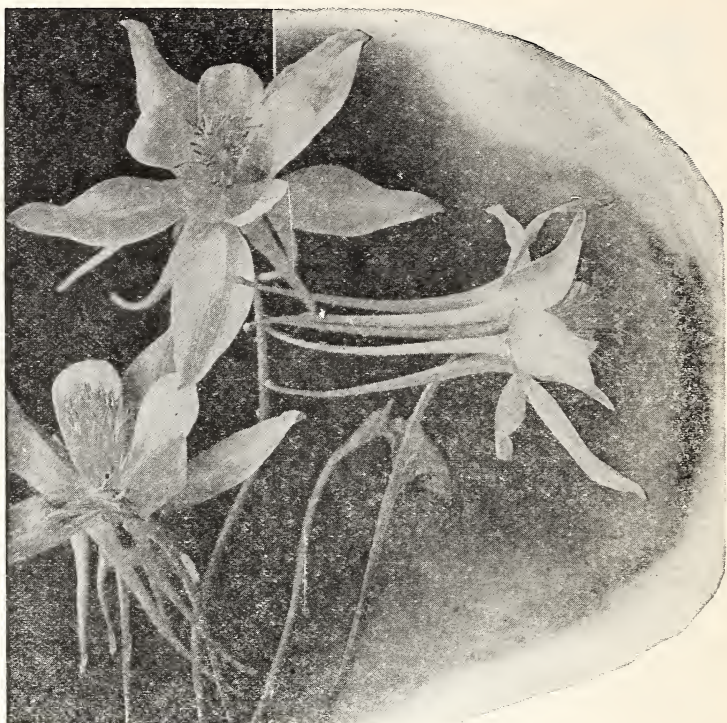
Double-flowering. Mixed colors. ¼ oz., 50c; pkt., 10c.

Asters

Plants from seeds sown in the open ground in May bloom finely in September and October, when the flowers are seen at their best.

CHRYSANTHEMUM - FLOWERED. Dwarf. A splendid variety of compact habit. 12 in.

	Pkt.
Apple Blossom	\$0.10
Fiery Scarlet .....	.10
Light Blue .....	.10
White .....	.10
Finest Mixed Colors .....	.10



Aquilegia Columbine

GREGO'S GIANT. Very early; on style of Queen of the Market, but with fluffy, graceful large flowers. 2 ft. Pkt.

Crimson .....	.10
Lavender .....	.10
Rose .....	.10
White .....	.10
Finest Mixed. All colors .....	.10

IMPROVED GIANT BRANCHING. The flowers are large and fine for cutting. 2 ft. Pkt.

Crimson .....	.10
Light Blue .....	.10
Shell Pink .....	.10
White .....	.10
Finest Mixed. All colors .....	.10

KING. Upright growth; large flowers with long and narrow petals. 2 ft. Pkt.

Crimson .....	.10
Pink .....	.10
Violet .....	.10
White .....	.10
Finest Mixed .....	.10

OSTRICH PLUME. Splendid class, fine for cutting. 18 in. Pkt.

Crimson	\$0.10
Light Blue .....	.10
Rose .....	.10
White .....	.10
Finest Mixed Colors .....	.10

ASTER. Michaelmas Daisy. H. P. Large flowering, hardy mixed, Fall flowering varieties. 2½ ft. ½ oz., 75c; pkt., 10c.

BALLOON VINE. H. H. C. White flowers, followed by balloon-like seed pods. 15 ft. pkt., 10c.

BELLIS perennis fl. pl. (Double English Daisy). H. P. Popular Spring-flowering perennial often used with Pansies and Forget-me-nots. 6 in. Giant Mixed. Pkt., 10c.

BLUE LACE FLOWER (See *Didiscus caerulea*).

BRACHYCOME iberidifolia. H. H. A. The well-known "Swan-River Daisy" is a beautiful little, half-hardy annual; 18 in. Mixed colors. $\frac{1}{4}$ oz., 40c; pkt., 10c.

CALENDULA (Cape Marigold). H. A. Free and continuous flowering garden plants. 12 in.

Orange King, grandiflora. Dark orange red. Oz., 75c; pkt., 10c.

Prince of Orange. Orange, with dark eye. Oz., 75c; pkt., 10c.

Sulphur Crown. Very large double sulphur yellow. Oz., 75c; pkt., 10c.

The Ball. Very large, double orange flowers with long stems. $\frac{1}{4}$ oz., \$2.00; pkt., 25c.

Finest Mixed. All varieties. Oz., 50c; pkt., 10c.

CALLIOPSIS. H. A. Nothing is more effective than a large bed of these golden flowers; exceedingly free flowering.

Dwarf, Finest Mixed. All shades of yellow, red and brown. 12 in. $\frac{1}{4}$ oz., 30c; pkt., 10c.

Tall Mixed. A grand variety for cutting. 2 ft. $\frac{1}{4}$ oz., 30c; pkt., 10c.

CAMPANULAS. H. P. All the Campanulas can be grown in ordinary gardens and will flower from seeds the following year.

pyramidalis (Chimney Bell). Very conspicuous towering spikes, with clear blue flowers. 4 ft. Mixed $\frac{1}{4}$ oz., 75c; pkt., 10c.

CANTERBURY BELLS. H. B. Well-known, handsome, hardy biennials, bearing large bell and saucer-shaped flowers in profusion; well adapted for borders. 2 ft.

medium calycanthema ("Cup and Saucer"). A race of Canterbury Bells having large, semi-double flowers resembling a cup and saucer. 2 ft. Mixed. $\frac{1}{4}$ oz., 75c; pkt., 10c.

CANDYTUFT. H. A. Showy branching plants, much grown in masses in beds or for edging; also grown extensively for cut flowers. 12 in.

coronaria Giant Hyacinth-flowered. White. $\frac{1}{4}$ oz., 30c; pkt., 10c.

Mixed Annual Sorts. Oz., 40c; pkt., 10c.



Bellis or English Daisy



Centaurea

CARNATION. Marguerite. H. H. P. The perpetual flowering Carnations produce a large proportion of double flowers in six months from sowing. 18 in.

Marguerite, Giant, Double Mixed. Extra large and perfect flowering, in a rich variety of colors. $\frac{1}{8}$ oz., 80c; pkt., 10c.

Finest Double Mixed. Border. Saved from extra fine flowers. 18 in. $\frac{1}{4}$ oz., 75c; pkt., 10c.

CELOSIA cristata, or Cockscomb. H. H. A. Popular annual of easy culture, producing Cockscomb-like heads.

childsi (Chinese Wool Flower). A variety of feathered Celosia with large globular flower-heads like balls of wool. 2ft. $\frac{1}{8}$ oz., 60c; pkt., 10c.

Dwarf. Mixed colors. Extra fine strain. 9 in. $\frac{1}{4}$ oz., 75c; pkt., 10c.

CENTAUREA cyanus (Bachelor Button, Cornflower, Blue Bottle, or Ragged Sailor). H. A. This is one of the most popular annuals; will grow in the poorest of soil, either on seashore or mountain. 18 in.

rosea, Double. Rose-pink. $\frac{1}{4}$ oz., 40c; pkt., 10c.

White, Double. Very pretty for decorations and borders. $\frac{1}{4}$ oz., 40c; pkt., 10c.

Finest Mixed, Double. $\frac{1}{4}$ oz., 25c; pkt., 10c.

CENTAUREA imperialis, Giant Imperial Sweet Sultan. H. H. A. The finest of all Sweet Sultans for cut flower purposes. 3 ft. $\frac{1}{4}$ oz., 40c; pkt., 10c.

Finest Mixed. All colors. $\frac{1}{4}$ oz., 30c; pkt., 10c.

CENTAUREA. H. A. Beautiful silvery foliated bedding plants; used for bordering and edging.

gymnocarpa. Fine cut silvery foliage. 18 in. $\frac{1}{4}$ oz., 40c; pkt., 10c.

CHRYSANTHEMUM, Perennial Varieties.

frutescens (The White Paris Daisy). Charming plant for greenhouse or Summer bedding outdoors. 18 in. $\frac{1}{8}$ oz., 40c; pkt., 10c.

maximum grandiflorum (The Shasta Daisy). Pure white; very large. 18 in. $\frac{1}{4}$ oz., 40c; pkt., 10c.

CINERARIA candidissima. H. H. P. A white-leaved "Dusty Miller," used for edging. 1 ft. $\frac{1}{4}$ oz., 25c; pkt., 10c.

COBAEA scandens. H. A. C. Tender climber, large, bell-shaped blue flower. 20 ft. $\frac{1}{4}$ oz., 25c; pkt., 10c.

White. Large white, bell-like flowers, $\frac{1}{4}$ oz., 50c; pkt., 10c.

COLEUS, Rainbow Mixed. G. P. Richly colored foliage plants. Pkt., 10c.

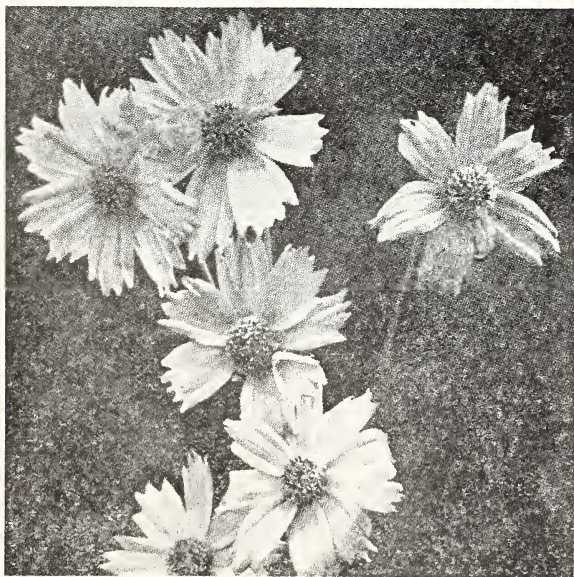
COLUMBINE. (See *Aquilegia*).

CONVOLVULUS, or Morning Glories. (See also *Ipomoea*). H. A. C. Deservedly very popular, as they are of the most free-flowering and rapid growing plants in cultivation, thriving in almost any situation.

major. Mixed colors. Climbers of rapid growth. 30 ft. Oz., 30c; pkt., 10c.

COREOPSIS. H. P. Long stemmed, large, single flowers. 2 ft.

grandiflora. Large flowers of rich yellow. $\frac{1}{4}$ oz., 25c; pkt., 10c.



Coreopsis



Cosmos

CORNFLOWER. (See *Centaurea cyanus*).

COSMOS. H. A. This is one of our most useful and beautiful Autumn flowers. To get it in bloom early, seed should be sown in May in the open ground where the plants are desired to bloom, and the seedlings allowed to grow and flower without being transplanted. 5 ft.

Double-crested, Early-flowering. Semi double flowers in great profusion. 5 ft.

Crimson King. Bright red. $\frac{1}{4}$ oz., 75c; pkt., 10c

Pink Beauty. A lovely shade of pink, crested flowers. $\frac{1}{4}$ oz., 75c; pkt., 10c.

White Queen. Pure white, crested flowers. $\frac{1}{4}$ oz., 75c; pkt., 10c.

Crested Mixed. The above colors in mixture. $\frac{1}{4}$ oz., 75c; pkt., 10c.

Extra Early Giant-flowering. Mixed Colors. Flowers 4 to 5 inches across. 4 ft. $\frac{1}{4}$ oz., 50c; pkt., 10c.

Giant Late-flowering. Mixed. All shades. Blooms in September and October. 5 ft. $\frac{1}{4}$ oz., 35c; pkt., 10c.

CYPRESS VINE. H. A. C. A fast growing annual vine, with feathery, dark-green foliage and star-like flowers. 10 ft.

Finest Mixed. $\frac{1}{4}$ oz., 25c; pkt., 10c.

DAISY, Double, (See *Bellis perennis*.)

DAISY, Single (See *Chrysanthemums*.)

DELPHINIUM — Larkspur

DELPHINIUM, Larkspur. English Delphiniums are the most beautiful hardy plants in cultivation, for they have such an immense variety of beauty and increase in size, in beauty, and often in quantity, year after year. Some varieties grow 8 feet high in rich soil. They have immense spikes of most beautiful flowers of every imaginable shade of blue, and their season is long; in fact, they will bloom from Spring till Fall.

The culture of Delphiniums is exceedingly simple. They thrive in almost any position, and may be planted at any time of the year, provided that in Summer the plants are not too forward, and that they be well watered if the weather is dry. The soil may be a rich, friable loam, which suits them finely; but any soil, even hot and sandy, if well watered and manured, will give excellent results. Placed in lines, as a background to a border, or in groups of say, three plants at intervals, the effect of the Delphinium is exceedingly fine. A succession of flowers may be expected from Spring to early Autumn, especially if the spikes which have done flowering early be cut down to the ground, fresh growth will then be produced which will give blossoms. Watering in Summer will increase size of spike and flower. Top-dressing is greatly recommended on certain soils, instead of the bare surface of the ground being left exposed to the sun. Some of the neater dwarf Alpine and other hardy plants may be utilized to plant between and around Delphiniums. Coal ashes strewn over the crowns will protect the plants from slugs through the Winter and Spring. Any garden soil suits the Delphiniums.

Gen. Baden Powell. Delicate lavender inner petals tinted rose with a small dark eye. $\frac{1}{8}$ oz., \$2.00; pkt., 50c.

Mrs. James Keliway. Pale sky blue pink, inner petals large white eye. $\frac{1}{8}$ oz., \$2.00; pkt., 50c.

F. Carr. Genetian blue white eye single. $\frac{1}{8}$ oz., \$1.00; pkt., 25c.

Mr. Jno. Stone. Bright sky blue, slightly tinged rose with "bee"

eye, one of petals tipped with black single. $\frac{1}{8}$ oz., \$1.00; pkt., 25c.

Star of Langport. Delicate pale sky blue, large white eye, single. $\frac{1}{8}$ oz., \$3.00; pkt., 75c.

belladonna. Very large-flowered, light azure blue. $\frac{1}{8}$ oz., \$1.00; pkt., 25c.

bellamosa. An improved Formosum which is not subject to mildew. Dark blue in color. $\frac{1}{8}$ oz., \$1.00; pkt., 25c.

DIANTHUS (Chinese or Indian Pinks). H. H. A. These, although biennials, bloom the first season, and should be treated as hardy annuals. They flower early in Summer and continue until frost. They are excellent for small beds or edgings, flowering profusely and in great variety of colors. 12 in.

SINGLE ANNUAL PINKS.

heddewigi. Large, attractive flowers of most brilliant colors. Finest mixed. $\frac{1}{4}$ oz., 50c; pkt., 10c.

DOUBLE ANNUAL PINKS.

chinensis fl. pl. (Chinese Pink). Large, double flowers in unlimited variety of colors. Finest mixed. $\frac{1}{4}$ oz., 50c; pkt., 10c.

Large, double flowers. Mixed. $\frac{1}{4}$ oz., 50c; pkt., 10c.

heddewigi fl. pl. (Japanese Pink). Large, double flowers of exquisite colors. Finest Mixed. $\frac{1}{4}$ oz., 50c; pkt., 10c.

"Fireball." Large double; brilliant red. $\frac{1}{4}$ oz., 75c; pkt., 10c.

laciniatus "Salmon Queen." Very striking double flowers, rich salmon scarlet. $\frac{1}{4}$ oz., 75c; pkt., 10c.

laciniatus "Snowball." Extra large, double, pure white. $\frac{1}{4}$ oz., 75c; pkt., 10c.

HARDY PERENNIAL PINKS.

plumarius fl. pl. Pheasant's Eye. Pretty fringed double flowers. $\frac{1}{4}$ oz., 75c; pkt., 10c.



Dianthus or Hardy Pink

DIDISCUS coerulea (Blue Lace Flower.) H. A. An attractive annual, blooming from July until frost. Pale lavender flowers, valuable for cutting. 18 in. $\frac{1}{8}$ oz., 40c; pkt., 10c.

DIGITALIS, or **FOXGLOVE**. H. P. Producing long spikes of tubular flowers. Used extensively with good effect for naturalizing in shrubberies and half-shady places. 3 ft.

monstrosa, Mixed. Very large flowers. $\frac{1}{4}$ oz., 60c; pkt., 10c.

Finest Mixed (Common Foxglove). $\frac{1}{4}$ ob., 75c; pkt., 10c.

ECHINOCYSTIS lobata (Wild, or California Cucumber). H. A. A. The fastest growing annual vine in existence; will grow 20 feet in six weeks. Pretty foliage and inconspicuous white flowers. 20 ft. Oz., 50c; pkt., 10c.

ESCHSCHOLTZIA, or **CALIFORNIA POPPY**. H. A. Very attractive annuals for beds, edgings, masses; profuse flowering; fine cut, glaucous foliage; in bloom from June to frost. 12 in. Double Mixed. All colors. Oz., 50c; pkt., 10c.

EUPHORBIA heterophylla (Fire on the Mountain). H. A. Leaves large and glossy green, often tipped with orange-scarlet. 3 ft. $\frac{1}{4}$ oz., 40c; pkt., 10c.

variegata (Snow on the Mountain). White and green bracts, excellent for bouquets. 2 ft. $\frac{1}{4}$ oz., 35c; pkt., 10c.

GAILLARDIA. H. A. Showy garden annuals; they flower uninterruptedly from early Summer until frost; the flowers are of large size and afford charming tints in their color schemes. 2 ft.

picta Mixed, Single. Annual varieties. $\frac{1}{4}$ oz., 35c; pkt., 10c.

lorenziana, Double Mixed. $\frac{1}{4}$ oz., 35c; pkt., 10c.

GLOBE AMARANTH (GOMPHRENA). H. A. Clover-like heads of flowers; esteemed as everlasting. 12 in.

globosa. Mixed colors. $\frac{1}{4}$ oz., 35c; pkt., 10c.

GOURDS. H. A. C. Thrifty annual climbers, bearing "Ornamental Bourds." 10 ft.

Dipper-shaped. Oz., 40c; pkt., 10c.

Dishcloth (Chinese Loofa, or Sponge Gourd). Large, elongate fruit; spongy inside. Flowers deep golden yellow. Oz., 40c; pkt., 10c.

Egg. Fruit white; resembles eggs. Oz., 40c; pkt., 10c.

Hercules' Club. Enormous fruit; often 4 feet long, thicker at the base. Oz., 50c; pkt., 10c.

Sugar Trough. Oz., 50c; pkt., 10c.

Mixed Ornamental Varieties. Oz., 40c; pkt., 10c.

GYPSOPHILA (Baby's Breath). H. A. Extremely useful for bouquets. Flowers small and come in delicate sprays and panicles.

elegans alba grandiflora. An improved large flowering, pure white form of the annual Baby's Breath. Oz., 50c; pkt., 10c.

paniculata. H. P. One of the finest for cutting. Pure white flowers, very small and borne in large panicles. 2 ft. $\frac{1}{4}$ oz., 50c; pkt., 10c.

HELICHRYSUM, or **STRAWFLOWER**. H. A. Large, double "everlasting" flowers. 2 ft.

Large Flowering, Double, Mixed Colors. $\frac{1}{4}$ oz., 25c; pkt., 10c.

Finest Mixed. $\frac{1}{8}$ oz., 30c; pkt., 10c.



Hollyhock Double

HOLLYHOCKS. H. P. One of the showiest of hardy garden plants. No garden is complete without these stately flowers. Hollyhocks are troubled of late with a rust, which can be prevented if plants are sprayed frequently in early Spring with Bordeaux Mixture. 6 ft.

Giant Double Fine Mixed. $\frac{1}{8}$ oz., 40c; pkt., 10c.

Chater's Extra Choice, Double Mixed Colors. $\frac{1}{8}$ oz., 60c; pkt., 10c.

Hybrid Everblooming, Double, Mixed. Flowers the first season from seed. Very fine colors. $\frac{1}{4}$ oz., 40c; pkt., 10c.

Hybrid Everblooming. Single, Mixed. $\frac{1}{4}$ oz., 40c; pkt., 10c.

IPOMOEA, Morning Glory. (See also **CONVOLVULUS**). H. A. C. Climbers of rapid growth, with beautiful and varied flowers; for covering walls, trellises, arbors or stumps of trees they are invaluable. 20 ft.

cardinalis, (Cardinal Flower). A rapid growing annual, with deep cardinal red flowers and lacinated foliage. $\frac{1}{8}$ oz., 50c; pkt., 10c.

grandiflora alba (Moonflower). Large, heart-shaped leaves and large, pure white flowers, which open only late in the evening. $\frac{1}{4}$ oz., 35c; pkt., 10c.

rubro coerulea (Heavenly Blue). Beautiful, sky-blue flowers. $\frac{1}{4}$ oz., 35c; pkt., 10c.

Imperial Japanese, Mixed. A great improvement over the old-fashioned sorts. Oz., 50c; pkt., 10c.

quamacolit. (See **CYPRESS VINE**.)

KOCHIA *tricophylla* (Belvedere Summer Cypress, or Mexican Firebush). H. A. Grows in a perfectly pyramidal shaped cypress bush, with small, feathery, light-green foliage. Becomes a lovely crimson hue about September. 2½ ft. ¼ oz., 25c; pkt., 10c.

LATHYRUS *latifolius*, Perennial Sweet Pea. H. P. Hardy climbers. Fine for cutting. 6 ft. *latifolius*. Purplish-red. ¼ oz., 40c; pkt., 10c. *White Pearl*. A large flowering, robust growing variety of the above. ¼ oz., 75c; pkt., 10c. *Pink Beauty*. Rosy pink. ¼ oz., 40c; pkt., 10c. *Finest Mixed*. All colors. ¼ oz., 30c; pkt., 10c.

LUPINUS. Free flowering plants, with long spikes of flowers. The Annual and Perennial varieties are among the most useful of our garden flowers, either for mixed borders or house decorations. 2 ft.

Tall Mixed, Annual Varieties. Oz., 40c; pkt., 10c.

Mixed Perennial Varieties. ¼ oz., 25c; pkt., 15c.

MARIGOLD. H. A. Widely grown hardy annuals, invaluable for bedding and producing an elegant display of yellow, orange and brown flowers from early Summer till frost.

AFRICAN VARIETIES

African varieties. Showy flowers. 3 ft.

Lemon Queen. A charming shade. ¼ oz., 50c; pkt., 10c.

Prince of Orange. Beautiful orange color. ¼ oz., 50c; pkt., 10c.

Mixed Double. ¼ oz., 50c; pkt., 10c.

FRENCH VARIETIES

French Varieties. Small double flowers. 12 in.

Dwarf Gold Striped. Rich and quaintly striped double flowers. ¼ oz., 50c; pkt., 10c.

Dwarf, Mixed, Double. ¼ oz., 35c; pkt., 10c.

MARVEL OF PERU (Four O'Clocks). H. A. A well-known handsome, free flowering garden favorite; does well everywhere. 2 ft. Mixed. Oz., 50c; pkt., 10c.

MIGNONETTE, Large Flowering. H. A. The popular fragrant garden annual. The seed can be sown at any time, and if successive sowings are made, its fragrant, modest colored flowers may be gathered outdoors until November. 12 in. Pkt., 10c.

Sweet-Scented (*Reseda odorata grandiflora*). The large flowering garden variety. Oz., 50c; pkt., 10c.

MIRABILIS. (See **MARVEL OF PERU**).

MOON FLOWERS. (See **IPOMOEA grandiflora**.)

MORNING GLORIES. (See **IPOMOEA** and **CONVOLVULUS**.)

MYOSOTIS, or **FORGET-ME-NOTS**. H. H. P. Fine for edging or in beds with Pansies, Daisies, etc. Seed may be sown any time from Spring until Midsummer. 9 in. *alpestris*, Blue. ¼ oz., 40c; pkt., 10c.

NASTURTIIUM. One of the most popular of all annuals, as everyone can grow it. Sow anywhere, except in the shade. No ground is too poor to grow it. It is fine for cutting. The tall or trailing variety is a useful plant for trailing over walls or stumps, also for porch boxes, for hanging baskets. Dwarf variety forms compact bushes. Flowers all summer.

All varieties not specifically quoted. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

TALL OR GIANT NASTURTIIUMS

Variegated Leaved. Leaves and flowers like the dwarf variety.

Chameleon. Similar to the Dwarf.

Dark Crimson. Rich and velvety.

Jupiter. Giant flowered and giant leaved; the blooms, 3 inches across, are bright yellow, marbled with scarlet.

Moonlight. Creamy white.

Prince Henry. Light yellow, marbled with scarlet.

Rose. Bright soft pink; very choice.

Sunlight. Deep orange, blotched with crimson.

Vesuvius. Rich velvety salmon; dark green leaves.

Blue Ribbon Mixtures. We have put into these mixtures the cream of all the standard and new varieties. All the brightest colors, the blotched kinds and all the newest varieties of distinct merit are in these mixtures. The colors vary from pearly white to almost black; every intermediate color is represented, giving the most varied and richest combination of colors ever offered in nasturtiums.

Dwarf Mixture. Pkt., 10c; oz., 20c; ¼ lb., 50c; *Tall Mixture*. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50 postpaid.

\$1.50 postpaid.



Climbing Nasturtiums



Double Giant, Fringed Petunia

Dwarf or Tom Thumb Nasturtiums

All varieties, unless otherwise quoted, pkt., 10c; oz., 20c; ¼ lb., 50c; postpaid.

Variegated Leaved. Strikingly beautiful even when not in bloom; each leaf is variegated with yellow, white and green. The flowers are of many colors and show to splendid advantage among the richly variegated foliage. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Fancy Fringed. The flowers are fringed around the entire bloom, particularly the three lower petals; colors range from yellow to scarlet. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Lobb's Nasturtiums Mixed. A splendid mixture. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Chameleon. Flowers of several distinct colors are borne on the same plant—some clear, deep crimson, others blotched on light background, others beautifully mottled.

Crystal Palace Gem. Sulphur yellow, blotched and carmine.

Empress of India. Brilliant dark scarlet; dark leaved.

Golden King. Rich golden yellow; dark foliage.

King of Tom Thumbs. Deep scarlet flowers; rich dark foliage.

Pearl (Moonlight). Creamy yellow.

Rose. Deep bright rose, tinted salmon.

Ruby King. Ruby-red, with salmon tint.

Dwarf Varieties Mixed. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50 postpaid.

Lobb's Trailing Nasturtiums. Flowers and foliage smaller than tall nasturtiums, but more free-flowering, more intensely brilliant and varied.

PANSY. H. H. P. The most popular flower grown. They thrive best in a cool, moist, but well-drained soil. Sow the seeds in April and May for Summer flowering and August for early flowers the following Spring. Our mixtures contain a large variety of colors.

Mammoth Exhibition, Extra Large Mixed. Per oz., \$9.00; pkt., 50c.

Wood, Stubbs & Co's. Imperial. A very fancy strain; all colors. Pkt., 15c; ½ oz., \$1.50; ¼ oz., \$2.75; 1 oz., \$8.00.

Large Flowering Mixed. Many standard varieties. Pkt., 10c; ½ oz., 50c; ¼ oz., 85c; 1 oz., \$1.50.

PETUNIA. H. A. One of our easiest cultivated and freest flowering annuals. Will succeed almost anywhere and give a continuity of the most brilliant bloom from June till killed by frost. 18 in.

Double Giant, Fringed, Finest Mixed Hybrids. An exceptionally fine strain, remarkable for the large, beautiful, colored double flowers. Pkt., 10c.

Single Varieties:

Superb Large-flowered Mixed (California Giants). Magnificent flowers with throats beautifully veined. Pkt., 10c.

Large-flowered, Finest Mixed. Fine large flowers in superb mixture. 1-16 oz., \$1.00; pkt., 10c.

maculata, Striped and Blotched (Inimitable). Flowers quite large and handsomely striped and spotted. 12 in. ¼ oz., 50c; pkt., 10c.

Balcony Blue. Adapted for vases and window boxes. Pkt., 10c.

Balcony Rose. Pkt., 10c.

General Dodds. Very fine dark red. ¼ oz., 75c; Pkt., 10c.

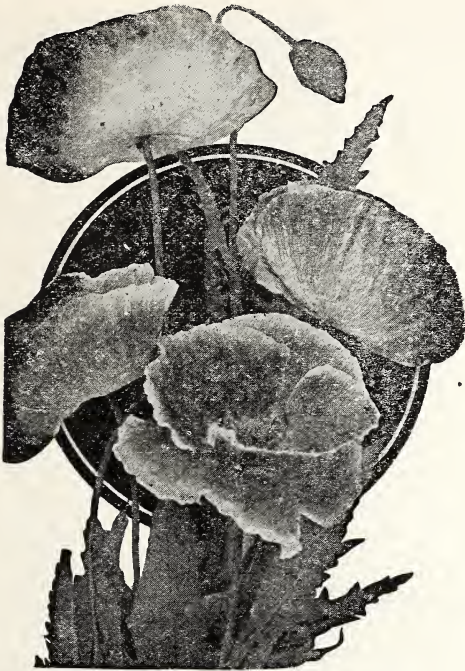
Howard's Star. Crimson with white star. ½ oz., 50c; pkt., 10c.

Purple Bedder. A beautiful purple bedding variety. 1-16 oz., 75c; pkt., 10c.

Rosy Morn Soft carmine pink, ½ oz., 60c; pkt., 10c.



Pansy Mammoth Exhibition



Oriental Poppy

POPPIES. Showy, free blooming, old-fashioned flowers. Very effective in mixed borders.

Single Annual Varieties, 12- in.:

glaucum. The Scarlet Tulip Poppy. $\frac{1}{4}$ oz., 35c; pkt., 10c.

Extra Selected Shirley. A grand variety of colors, saved from selected flowers. Their brilliant dazzling coloring and wonderful variety make a very effective display in the garden or for cut flowers. $\frac{1}{4}$ oz., 35c; pkt., 10c

Rose-pink Shirley. A beautiful pink variety. $\frac{1}{4}$ oz., 50c; pkt., 10c.

Single Mixed Poppies. All kinds $\frac{1}{4}$ oz., 25c; pkt., 10c.

Double Annual Varieties:

Eldorado Double Mixed. A double form of Shirley Poppy, in choice mixtures. $\frac{1}{4}$ oz., 35c; pkt., 10c.

Hardy Perennial Varieties:

bracteatum. Orange-scarlet hardy Poppy. $\frac{1}{4}$ oz., 25c; pkt., 10c.

Iceland Poppies. While these are hardy perennials, they flower the first year from seed, blooming almost as quickly as the annual sorts. 12 in.

nudicaule (Iceland Poppy) Dwarf, bright yellow. $\frac{1}{4}$ oz., 40c; pkt., 10c.

nudicaule Mixed Iceland Poppies. $\frac{1}{4}$ oz., 40c; pkt., 10c.

Oriental Poppies Mixed Hybrids. 3 ft. Finest shades. $\frac{1}{4}$ oz., 40c; pkt., 10c.

PYRETHRUM. H. H. P. Fine for edging and borders. 6 in.

H. P. Large Daisy or Cosmos-like flowers; blooms in early Summer and late Fall. 18 in.

hybridum fl. pl., Double. Large-flowering, beautiful colors. $\frac{1}{8}$ oz., \$1.50; pkt., 10c.

PHLOX drummondii grandiflora. H. A. Improved large-flowering strains of this famous garden annual. It will grow and thrive in any kind of soil if given a sunny position, but prefers a light, rich loam. Seed may be sown in the open ground any time after danger from frost is past. 12 in.

Choicest Mixed. Contains a very large variety of color. $\frac{1}{4}$ oz., 50c; pkt., 10c.

PHLOX, Large-flowering, Dwarf Varieties. Effective for beds or borders. 6 in.

nana compacta, Mixed Colors. Star-shaped flowers. $\frac{1}{8}$ oz., 75c; pkt., 10c.

PHYSALIS francheti (Chinese Lantern). H. B. Balloon-like fruits. 3 ft. pkt., 10c.

PHYSOSTEGIA (False-Dragonhead). H. P. 3 ft. virginia. One of the prettiest hardy perennials. It forms dense bushes bearing freely spikes of delicate pink tubular flowers. $\frac{1}{8}$ oz., 40c; pkt., 10c.

PLATYCODON. H. P. The large-flowering Chinese Bell Flowers. 2 ft. Pkt. 10c.

PORTULACA. H. A. One of the freest flowering dwarf annuals, especially adapted for sunny locations. Flowers of the most brilliant colors. 6 in.

Single Mixed. All color. $\frac{1}{4}$ oz., 35c; pkt., 10c.

Double Large Flowering. Will produce a large percentage of double flowers in many colors. Pkt., 10c; $\frac{1}{4}$ oz., 35c.



Pyrethrum

WOOD-STUBBS. © INC LOUISVILLE, KY BLUE RIBBON SEEDS

RICINUS (Castor Oil Plant). H. A. From seed they quickly attain gigantic proportions and are ornamental till destroyed by frost. 6 ft.

zanzibarensis, Mixed. Immense leaves. 8 ft. oz., 35c; pkt., 10c.

SALVIA (Flowering Sage). H. A. One of our most handsome summer and Autumn-flowering plants, growing into compact bushes 2 to 3 feet high and literally ablaze with brilliant flowers.

Splendens grandiflora (Scarlet Sage). A rich flowered bedder. $\frac{1}{4}$ oz., \$1.00; pkt., 10c.

Globe of Fire. The earlies, freest and most continuous bloomer. $\frac{1}{8}$ oz., \$1.00; pkt., 10c.

Summer-flowering Fireball. A brilliant scarlet variety that will come into flower in July. 2 ft. Pkt., 10c.

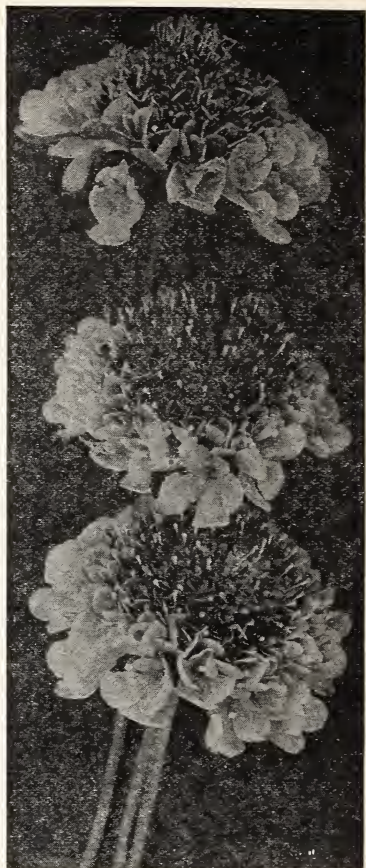
SCABIOSA, or MOURNING BRIDE... H. A. One of our best Summer flowering annuals. The rich and beautiful colored flowers are very handsome and excellent for cutting; profuse bloomer. June to October. 2½ ft. Pkt., 10c; $\frac{1}{8}$ oz., 25c; 1 oz., 40c.

STATICE. H. A. Beautiful free-flowering plants adapted for beds or borders. The flowers, when dried, make pretty decorations for Winter use. 1½ to 2 ft.

sinuata hybrida mixed. Flowers mauve, purple, white and yellow. $\frac{1}{4}$ oz., 50c; pkt., 10c.

STOKESIA cyanea. H. P. Lavender-blue flowers. 2 ft. $\frac{1}{4}$ oz., 75c; pkt., 10c.

Finest Mixed. A mixture of pink, purple, blue and white shades. $\frac{1}{4}$ oz., 60c; pkt., 10c.



Scabiosa

STOCKS (Gilliflower). H. A. One of the most highly prized of all our cultivated flowers. The delightful fragrance, free-blooming character and beautiful colors have made them as desirable for Winter cultivation in the greenhouse as for the garden in Summer; invaluable as cut flowers.

Giant Perfection Ten-Weeks. A splendid double-flowered strain; especially adapted for bedding or pot culture.

Large Flowering Ten-Weeks, Mixed Colors. $\frac{1}{8}$ oz., 75c; pkt., 10c.

Winter Flowering Stocks:

Cut-and-Come-Again, Princess Alice. Double white. Pkt., 25c.

Finest Mixed. 1-16 oz., 60c; pkt., 10c.

SUNFLOWER. H. A. Well-known hardy annuals, the small-flowering sorts being very useful for cutting, while the larger sorts are very ornamental and useful, blooming all Summer.

Double California. Deep yellow. 5 ft. oz., 40c; pkt., 10c.

Chrysanthemum-flavored. Rich golden yellow flowers. 5 ft. Oz., 40c; pkt., 10c.

Red Hybrids. "The Red Sunflower." Large flowers in various shades of red and dark centers. 4 ft. $\frac{1}{4}$ oz., 25c; pkt., 10c.

Stella (Improved Miniature Sunflower). Yellow. 3 ft. $\frac{1}{4}$ oz., 25c; pkt., 10c.



Double California Sunflower



Giant Dahlia Flowered Zinnias

SWEET WILLIAM (*Dianthus barbatus*). H. Showy hardy biennials of easy culture; splendid for beds and borders with their rich varied flowers. 1½ ft.

Double-flowering, Mixed. ¼ oz., 50c; pkt., 10c.
Single-flowering, Finest Mixed Colors. ¼ oz., 20c; pkt., 10c.

VERBENA. H. A. The Verbena is a universal garden favorite, very few plants making a more gorgeous display of brilliant flowers from Spring till late in the Autumn. 12 in. Mammoth coerulea. Bright blue and purple in various shades. ¼ oz., 60c; pkt., 10c.
Mammoth Finest Mixed. Extra choice. ¼ oz., 60c; pkt., 10c.

VERONICA. H. P. Splendid, hardy perennials, with showy spikes of bright-colored flowers; fine border plant. 1½ to 2 ft.
spicata Blue. Bright blue. ¼ oz., 40c; pkt., 10c.

VIOLA, Tufted Pansies. H. H. P. Valuable for bedding and may be grown in the same manner as Pansies. Very free flowering. 6 in. Finest Mixed, all colors. ¼ oz., 75c; pkt., 10c.

VIOLET, *Viola odorata*. H. P. Sweet-scented Violet, blue. 6 in. Pkt., 25c.

WALLFLOWER. H. H. P. Well known, deliciously fragrant, half-hardy perennials, blooming early in the Spring, with spikes of beautiful flowers. They should be protected in a coldframe in the Winter, and planted out in April. 12 in.

allioni (Alpine Wallflower). (See **CHEIR-ANTHUS**).

kewensis. Very fragrant, sulphur-yellow flowers, passing to orange-yellow or purple-violet. Fine for Winter flowering in greenhouse. ⅓ oz., 75c; pkt., 15c.

Single Fine Mixed. Hardy varieties. ¼ oz., 35c; pkt., 10c.

Double Fine Mixed. Hardy varieties. ⅓ oz., \$1.00; pkt., 25c.

ZINNIAS (Youth and Old Age). H. A. These well-known garden favorites are one of the most brilliant Summer-flowering plants. The flowers are large, very handsome, and borne in great profusion. They succeed best in a sunny situation. 2 ft.

Matchless, Double Tall Varieties.

	¼ oz.	Pkt.
Double, Crimson	\$0.30	\$0.10
Double, Lavender .....	.30	.10
Double, Purple .....	.30	.10
Double, Rose .....	.30	.10
Double, Scarlet .....	.30	.10
Double, White .....	.30	.10
Double, Yellow .....	.30	.10
Double, Fine Mixed .....	.30	.10

Giant Dahlia-flowered. These are similar to the Double Dahlia in size and shape of flowers. 2½ ft.

Buttercup. Deep creamy-yellow. ¼ oz., 30c; pkt., 10c.

Crimson Monarch. Largest of the red shades. ¼ oz., 30c; pkt., 10c.

Dream. Deep lavender, turning to purple. ¼ oz., 30c; pkt., 10c.

Exquisite. Light rose, with center a deep rose. ¼ oz., 30c; pkt., 10c.

Golden State. A very rich orange-yellow. ¼ oz., 30c; pkt., 10c.

Oriole. An immense orange and gold bicolor. ¼ oz., 30c; pkt., 10c.

Polar Bear. A very large pure white. ¼ oz., 30c; pkt., 10c.

Scarlet Flame. A large, beautiful bright scarlet. ¼ oz., 30c; pkt., 10c.

Dahlia-flowered Mixed. ¼ oz., 30c; pkt., 10c.

Dwarf Double Mixed. Large flowering, ¼ oz., 35c; pkt., 10c.

WILD GARDEN FLOWER SEED. This mixture contains many varieties of the oddest and choicest annuals imaginable. For naturalizing purposes or sowing broadcast, nothing approaches wild flower seeds for effect and cheapness. No care is necessary, and a never-ending succession of bloom and fragrance can be obtained throughout the entire Summer and Fall. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Sweet Peas

There are no Annual Climbers that are more popular or more admired by everybody than Sweet Peas. They are of the easiest culture, unrivaled for cutting, delightfully fragrant and of the brightest and daintiest colors imaginable. As soon as the ground can be worked in the Spring, sow the seed in trenches at least 6 inches in depth, then as the plants grow fill in the soil about one inch at a time until the trenches are full, taking care not to cover the young plants. Liquid manure applied occasionally will be found very beneficial. Pick the flowers frequently, for if allowed to form seed the plants will soon stop blooming.

Spencer Type Sweet Peas

The Spencer Types of Sweet Peas are a great improvement over the large flowering varieties. For cutting and exhibition purposes they are indispensable. The following varieties are a selection of the many kinds of this class best adapted for general use.

Afterglow. Reddish-mauve, violet wings.

Apple Blossom Spencer. Rose standards, blush rose wings beautifully waved.

Asta Ohn. Lavender, tinted with mauve.

Blanche Ferry Spencer. Rose standard with white wings.

Captain of the Blues. Maroon purple, wings blue.

Countess Spencer. Soft rose pink; large, wavy petals.

Edward Cowdy. The best orange scarlet.

Elfrida Pearson. Blush pink, deepening toward the edges.

Fiery Cross. A fine red or scarlet, with no shading.

Hawlmork Pink. Bright rose-pink, flushed salmon.

King White. A perfect white Spencer, immense petals.

Winter-Flowering Sweet Peas

Prices Post paid

The following varieties are a selection of the best Winter flowering varieties. They are also suitable for outside planting.

Aviator. Dazzling crimson scarlet. Pkt., 15c; ¼ oz., 35c; oz., \$1.00.

Snowstorm Improved. The finest of all the white varieties. Pkt., 15c; ¼ oz., 35c; oz., \$1.00.

True Blue. A charming shade of true or light violet-blue. Pkt., 15c; ¼ oz., 50c; oz., \$1.00.

Zvolanek's Blue. A very bright blue. Pkt., 15c; ¼ oz., 35c; oz., \$1.00.

Zvolanek's Rose. A beautiful self, rose color. Pkt., 15c; ¼ oz., 50c; oz., \$1.50.

Early Flowering Mixed. Pkt., 15c; ¼ oz., 35c; oz., \$1.00.

Early Glitter. Enormous size of Glittering fiery orange. Oz., \$1.00; ¼ oz., 50c.

Margaret Atlee. Salmon-pink, suffused over a cream ground.

Miriam Beaver. Beautiful shell salmon-pink, cream ground.

Othello. A rich deep maroon of true Spencer type.

Primrose Spencer. Primrose or creamy yellow.

Royal Purple. A rich royal-purple.

Scarlet Emperor. The largest and brightest scarlet.

Valentine. Blush pink; flowers of large size and waved.

Wedgwood. Silver blue; flowers on long stem.

White Spencer. A pure white with long stems.

Any of the above varieties: Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$2.50. Post paid.

Mixed Spencers—Most of alive varieties mixed—Pkt., 10c; oz., 20c; ¼ lb., 50c; ½ lb., \$1.50; 1 lb., \$2.00. Post paid.

Hardy Perennial Flowers

(All prices F. O. B. Louisville. No orders send C. O. D.)

Hardy perennials, that is those that stay out all winter, come again every spring and bloom more profusely than ever, offer to the average home owner an opportunity for flowers every week of the growing season.

Gardening offers untold pleasures and undescribed satisfaction and the perennial border holds out in prospect, many pleasant minutes to those who choose to plant one.

Perennials are easily grown, and make the garden cheerful with their great masses of brilliant colors. They are useful for border planting, and in foundation plantings. From this list of varieties you can select an assortment that will give you flowers all summer.

Remember when these are once established in your garden you do not have to plant every year. They will come up from the roots year after year, and increase in the glory and abundance of their flowers. Our plants are heavy and will bloom the first year.

Planting Suggestions

Distance—Ordinarily you plan to set perennials 18 inches apart. For the dwarf varieties 15 inches. If you block off your border in squares you will quickly ascertain your requirements and in planting vary, of course, from, the rigid lines, but try to alternate them as the effect is better.

Grouping—Try to arrange them in groups of three or more of a variety, depending on the size of your border. If you scatter one here and there the effect is not so good. Peonies and Iris develop into large plants and should be planted singly except in large borders. The size of growth is given and with the taller ones in the back ground the planning is easy.

After Care—For the sake of neatness and to conserve the vitality of the plants the blossom or seed spikes should be removed immediately after blooming, leaving, of course, foliage sufficient to carry on the natural functions of the plant.

Mulching for winter protection is suggested. It should be applied late, that is, November and December. It should not be put on too heavy as it will smother the plants. Plants with green foliage and soft crowns should not be covered, but rather have the mulch pulled up about them.

Fertilizing is necessary and the application of well rotted manure is suggested as it not only stimulates growth but improves the physical condition of the soil. Bone meal is advised for Peonies and Delphinium, especially.

Replanting—You will find it advantageous to break up old plants periodically, as they seem to get sluggish if left too long. Young plants seem to have more vigor. When plants get to "slowing up", then divide them and they will do better.

ACHILLEA—The Pearl—Flowers large, very double, pure white. Continuous bloomer all summer. 25c each, 6 for \$1.35.

A. Millefolium—Rosy pink flowers, eighteen inches high; blooms July to October. 25c each, 6 for \$1.35.

ANCHUSA—Italica—Rich blue flowers in May and June. Grows three to five feet tall. 25c each, 6 for \$1.35.

ANTHEMIS—Tinctoria, (Marguerite)—Finely cut foliage, producing large golden yellow flowers. Blooms all summer. 30c each, 6 for \$1.35.

AQUILEGIA or COLUMBINE—One of the finest perennials grown; blooming in the early spring with a riot of color and dainty combinations that cannot be excelled. Also good for rockeries.

A. Canadensis—Native, bright red and yellow. 25c each, 6 for \$1.35.

A. Chrysantha—Bright yellow, long spurred flowers. 25c each. 6 for \$1.35.

A. Grandiflora Nivea—Double white, very distinctive. 30c each, 6 for \$1.50.

A. Long Spurred Hybrids—Improved varieties, having very long spurs on the large handsome flowers. Very profuse bloomer. Assorted light colors. 30c each, 6 for \$1.50.

A. Skinneri—Flowers bright yellow with long red spurs. A real Aquilegia. 25c each, 6 for \$1.35.

ARTEMESIA—Pontica—Foliage aromatic, and silvery green; finely divided, showy; a good border plant. 15c each, 6 for 75c.

ASCLEPIAS—(Butterfly Weed)—A very showy perennial, producing dazzling orange blooms in July and August. 25c each, 6 for \$1.35.

ASTER—Purple—Very tall growing; excellent for the hardy border because of its late flowering. Blossoms purple. 30c each, 6 for \$1.50.

A. Novae-angliae—Flowers as large as a silver quarter, in assorted shades from deepest purple to light blue. 30c each, 6 for \$1.50.

BAPTISIA—False Indigo—Produces violet blue pea shaped flowers in June. A very suitable border plant. 30c each, 6 for \$1.50.

BLEEDING HEART—Fern Leaved Everblooming—Flowers heart shaped deep rose color. Foliage fern like, grows 12 to 15 inches tall. 40c each, 6 for \$2.25.

BOLTONIA—Asteroides—A perfect blanket of white flowers in late fall on plant four feet high. 20c each, 6 for 90c.

BUTTERFLY BUSH—Vigorous spreading bush, dense large clusters of bright mauve colored flowers, with bright orange eye. Attract great quantities of butterflies in blooming season, which is in late summer. 35c each, 6 for \$1.75.

Perennials (Continued)

- CANTERBURY BELLS**—A good garden flower producing a great profusion of gaily colored blooms. Assorted colors. 20c each; 6 for \$1.00. Separate colors, White Blue and Rose, 25c each, 6 for \$1.35.
- COREOPSIS**—This is one of the beautiful yellow Daisies. Excellent for cut flowers. Very free bloomer all summer, 20c each, 6 for 90c.
- CHRYSANTHEMUMS**, Hardy Garden—We have a splendid assortment of these lovely flowers that are so beautiful in late autumn. Blooming after all other flowers. 25c each, 6 for \$1.35.
- Autumn Glow, Rosy Crimson, Indian, Red, Old Homestead, Pink, Rosy Morn, Silvery Pink, Snowclad, White, Yellow Queen, Yellow.
- DELPHINIUM**—(Larkspur)—The finest of all perennials, with an all summer blooming season. The are fine for cut flowers, and equally as attractive when left standing in the garden.
- D. Bellamosum, Dark Blue. 25c each. 6 for \$1.35.
- D. Gold Medal Hybrids, some of the choicest colors are to be found among these Hybrid Larkspur. All shades of blue from the lightest to the darkest. 25c each, 6 for \$1.35.
- D. Chinese Blue—A dwarf blue with fine fern-like foliage. 25c each, 6 for \$1.35.
- D. Chinese White—Same form as the blue, except the color. 25c each, 6 for \$1.35.
- DIANTHUS BARBATUS**—(Sweet William)—A popular garden flower, producing great clusters of showy blossoms in early spring. No garden can be complete without Sweet William.
- Coccineus, (Scarlet Beauty)—Crimson, blooms in May and June. 20c each, 6 for 90c.
- Flora Plena Alba—Double white. 25c each, 6 for \$1.35.
- Holborn Glory—Various colors. 20c each, 6 for 90c.
- Newport Pinks—A beautiful shade of pink. 20c each, 6 for 90c.
- Nigricans—Darkest maroon, almost black. 20c each, 6 for 90c.
- Mixed—A general assortment of all varieties. 15c each, 6 for 60c.
- DIGITALIS**—(Foxglove)—An old-fashioned favorite bearing tall spikes of tubular flowers about 3 to 5 feet in height. Various shades from white to purple. Separate colors, 30c each, 6 for \$1.65. Mixed Hybrids, 25c each; 6 for \$1.35.
- EULALIA**—Gracillima, (Maiden Grass)—of graceful habit; narrow foliage with silvery mid-rib. Showy seed plumes are fine for winter bouquets. 25c each, 6 for \$1.35.
- FUNKIA**—Coerulea, (Plantain Lily)—Dense clumps of foliage of this plant make it appreciated for edging. Flowers bright blue, borne in profusion in July. 20c each, 6 for \$1.00.
- GAILLARDIA**—Blanket Flower—Among the showiest and most profuse bloomers. The plants are compact, growing from 12 to 18 inches tall; begin blooming in June, and continuing until frost. Flowers in rich shade of dark red and yellow. 25c each, 6 for \$1.35.
- GOLDEN GLOW**—One of the most popular garden plants, producing double golden yellow flowers in August. 25c each, 6 for \$1.35.
- GYPSOPHILA**—(Baby's Breath)—Perennial valuable for mistlike effect and for trimming bouquets. Should be picked as soon as opened and dried for use in winter bouquets. 25c each, 6 for \$1.35.
- Helianthus**—Hardy Sunflower—Among the perennial sunflowers, we have some of the finest and showiest varieties. Flowers of clear bright yellow, produced on long stems. Splendid for mass planting and cut flowers. 25c each, 6 for \$1.35.
- HEMEROCALLIS**—Fulva—(Day Lily)—Trumpet shaped flower of orange color. Blooms in June and July. 25c each, 6 for \$1.35.
- HIBISCUS**—Mallow Marvels—The Mallow Marvels that we offer in this group produces sturdy plants, often 6 to 8 feet tall. Producing great single blooms 6 to 8 inches across, of striking colors, from deep red to white. Choice of separate colors, Pink, White or Red. 30c each. Mixed Colors, 20c each, 6 for 90c.
- HOLLYHOCKS**—There are no finer flowers than the stately and majestic Hollyhocks. Your choice of single or double, Red, Pink, White or Yellow. 25c each, 6 for \$1.35. Mixed, all colors—Single or double, 15c each, 6 for 60c.
- IRIS**—Is a flower whose beauty grows when it is studied closely. The artistic hand of nature surely is displayed in its creation. They are absolutely hardy, standing cold and heat in any extreme. No one's garden should be without a good assortment of these varieties. In the description, S. indicates standard. F. indicates falls of the blossoms.
- Caprice—7.5 S—Rosy-red; F. deeper rosy-red. 20c each.
- Eldorado—7.8 S. Yellow-bronze; F. violet-purple. 25c each.
- Florentina Alba—7.6 S. and F. Creamy-white. 15c each.
- Frederick—S. Pale lavender; F. lavender. 20c each.
- Gertrude—6.5 S. and F. clear violet blue. 20c each.
- Honorabilis—S. Golden; F. rich mahogany brown. 20c each.
- Lohengrin—8.2 S. and F. beautiful clear orchid pink, very large. 25c each.
- Madam Chereau—7.4 S. white edged blue; F. frilled blue. 20c each.
- Monsignor—8.4 S. satiny rose; F. velvety purple crimson. 25c each.
- Nibelungen—7.3 S. Fawn yellow; F. violet purple on bronze. 30c each.
- Princess Beatrice—9.5 S. and F. Lavender violet. 35c each.
- One each of twelve varieties described above for \$2.50.

Perennials (Continued)

LATHYRUS—Latifolius, (Perennial Sweet Pea)—Flowers resemble the Sweet Pea in size and shape; blooms over a long season. Perfectly hardy; Red, Pink and White. 20c each, 6 for 90c.

LIATRIS—Pycnostachya, (Blazing Star)—A beautiful plant producing bright purple flowers in July and August. Flowers are produced on a comet-like stem, thus giving the appearance of a shooting star. Flower spikes are about 5 feet tall. 25c each, 6 for \$1.35.

PHLOX—One of the finest long season blooming perennials. They are in bloom practically all summer. Be sure to include some of our improved varieties in your garden list. They will please you.

A bed of Phlox planted 18 inches apart will give immediate effect. They do well in partial shade.

We will furnish 10 plants, one of a variety, your choice, for \$2.25.

Athis—Beautiful Salmon Pink. 25c each, 6 for \$1.35.

Bridesmaid—White with red eye. 25c each, 6 for \$1.35.

Champs Elysees—Dwarf growing, rich Magenta Crimson. 25c each, 6 for \$1.35.

Eclairer—Magenta with white eye. 25c each, 6 for \$1.35.

Ferdinand Cortez—Beautiful deep crimson. 30c each, 6 for \$1.55.

F. G. Von Lassburg—Pure white. 25c each, 6 for \$1.35.

Iris—Lavender pink—25c each, 6 for \$1.35.

La Vague—Mauve with carmine eye. 25c each, 6 for \$1.35.

Miss Lingard, (Soffruticosa)—Earliest white. 25c each, 6 for \$1.35.

Mrs. Chas. Dorr—Beautiful shade of lavender. 25c each, 6 for \$1.35.

Mrs. Jenkins—Very beautiful, pure white. 25c each, 6 for \$1.35.

Richard Wallace—White with crimson eye. 30c each, 6 for \$1.55.

Rijnstroom—Bright crimson pink, immense trusses. 30c each, 6 for \$1.55.

R. P. Struthers—Salmon red. 30c each, 6 for \$1.55.



Hardy Garden Lily

	Each	Doz.
Superbuim— American Turk's Cap..		
Orange Scarlet. July to Sept. 3-6 ft.	.25	2.00
Speciosum rubrum mag.— Sept.		
Large bulbs. 2½-3ft.	\$0.45	\$4.50
Mammoth bulbs. 4 ft. ....	.75	7.50
Tigrinum splendens— Sept. 4-5.		
ft. ....	.30	3.00
Longiflorum multiflorum— Pure white		
July. 3 ft. ....	.60	6.00
Martagon— The purple Turks-cap Lily.		
June. 4-5 ft. ....	.50	5.00

PHLOX—Subulata, (Trailing Phlox)—Valuable for rockeries and borders, giving a mass of bloom in April and May.

Varieties—

Alba—White. 25c each, 6 for \$1.35.

Lavender—35c each, 6 for \$1.90.

Rosea—Rose pink. 25c each, 6 for \$1.35.

POPPY—Oriental—We recommend August planting for Poppies. They are dormant at this time, and are hard to transplant at any other time.

Beauty of Livermore—Rich orange scarlet, extra large. 35c each, 6 for \$2.00.

Oriental Hybrid—Deep red. 35c each, 6 for \$2.00.

Princess Victoria Louise—Pale pink. 35c each, 6 for \$2.00.

PYRETHRUM—Painted Daisy—A good plant for summer cut flowers, blooming at intervals throughout the summer. Very hardy.

Aureum (Golden Feather)—Dwarf golden yellow foliated variety with yellow flowers. 30c each, 6 for \$1.55.

Hybridum Roseum—Various colors, taller than above variety. 30c each, 6 for \$1.55.

HARDY GARDEN LILIES—Continued

Each Doz. 100

Auratum—July-August

Large bulbs. Height 3½ ft. ..\$0.55 \$5.50 \$40.00

Mammoth bulbs. 4-5 ft.80 8.00 60.00

Auratum Platyphyllum — With yellow spots.

Large bulbs. 4-5 ft.75 7.50 55.00

Mammoth bulbs. 5-6 ft. 1.00 10.00 75.00

Lilies of Valley—Clump, 35c each; \$3.50 per Doz. Clump.

Regale (Myriophyllum). A stately

Lily. White, flushed yellow inside, pink outside. July.

Large bulbs. 3 ft.\$0.75 \$7.50

Mammoth bulbs. 4 ft. 1.00 10.00

Perennials (Continued)

SALVIA—Argentea—A large white foliage plant with tall spikes of white blooms in May and June. 30c each, 6 for \$1.55.

SALVIA—Officinalis, (Old-fashioned sage)—Used by every housewife as seasoning. 20c each, 6 for \$1.00.

SEDUM—Used principally for rockeries and will thrive in any soil with little care and give results.

Album—Very dwarf, growing about 3 inches high, blooms with white bloom in July. 25c each, 6 for \$1.35.

Spectabilis Brilliant, erect stems, 12 to 18 inches tall, terminating in a broad cluster of deep pink flowers. Foliage light green. 25c each, 6 for \$1.35.

Stoloniferum Coccineum, a dwarf variety growing about 4 inches high. Blooms in July and August with a pink bloom. 25c each, 6 for \$1.35.

SHASTA DAISY—One of the most popular white daisy-like flowers. Blooms all summer. Extra good as a cut flower.

Variety—

Alaska—White with golden yellow center. 25c each, 6 for \$1.35.

Mrs. C. Lowthian Bell, a very large bloomer, and improved type of the Alaska. 25c each, 6 for \$1.35.

STATICE or LIMONIUM LATIFOLIA—(Great Sea Lavender)—Splendid for garden or rockery, producing panicles of tiny purplish blue flowers, which can be dried for winter bouquets. Similar to Baby's Breath. 25c each, 6 for \$1.35.

STOKESIA—(Cornflower Aster)—Plant grows from 18 to 24 inches high. Flowering early July until late October.

Alba—Pure white. 30c each, 6 for \$1.55.

Coerulea—Light blue. 25c each, 6 for \$1.35.

TRITOMA—(Red-hot Poker)—The continuous-blooming of this variety has given it a prominent place among hardy garden flowers. Flowers in tall, dense spikes of bright red with yellow interlining of the trumpet-like flower. Very attractive. 30c each, 6 for \$1.55.

VERONICA—Spicata—Very desirable plant, producing tall erect spikes of handsome purple flowers. Valuable for cutting. 25c each, 6 for \$1.35.

VIOLA CORNUTA—Tufted Pansy—This charming little Pansy is very effective for edging and for use in rockeries.

Admiration—Purple. 20c each, 6 for 90c.

Alba—Pure white, 20c each, 6 for 90c.

Lutea Splendens—Yellow. 20c each, 6 for 90c.

Mauve Queen—Beautiful mauve pink 20c each, 6 for 90c.

Mixed colors—A good assortment of all colors. 15c each, 6 for 60c.

Climbers

(All prices F. O. B. Louisville. No orders sent C. O. D.)

BITTERSWEET. Celastrus scandens. This is our native variety that is so unusually attractive, because of berries in the fall and early winter. Vigorous. Price—60c each; 5 for \$2.75.

BOSTON IVY. Ampelopsis veitchi. The best of the self clinging vines. Leaves are deep and very dense, covering any object completely. Foliage small. Colors in the fall. Slow to start, but vigorous when established. Price—50c each; 5 for \$2.00.

CLEMATIS, Madame Andre. Large red Chinese variety bearing large flowerers. Not easy to establish, but worth the extra care necessary. Price—75c each.

Clematis Jackmani. This is the most popular Chinese clematis. Has large purple flowers. Exquisite when it can be grown. 75c each.

Clematis Henry. Same as the preceding two, except it is white. Price—75c each.

Clematis paniculata. The small white "star" variety that blooms profusely, easy to establish and is attractive in foliage as well as blossoms. Fragrant. Prices—50c each; 5 for \$2.00.

ENGLISH IVY. Hedera helix. The most popular evergreen vine having large deep green and glossy foliage and unexcelled for covering walls in shady and cool place. Can be sheared into edging for walks or covering for graves. Price—50c each; 5 for \$2.00.

EUONYMOUS radicans. A slow growing vine with small, deep and glossy green foliage. Very attractive. Price—50c each; 5 for \$2.00.

Euonymous radicans vegetus. Sometimes called Evergreen Bittersweet. Quicker growing than preceding and produces a quantity of red berries. Price—50c each; 5 for \$2.00.

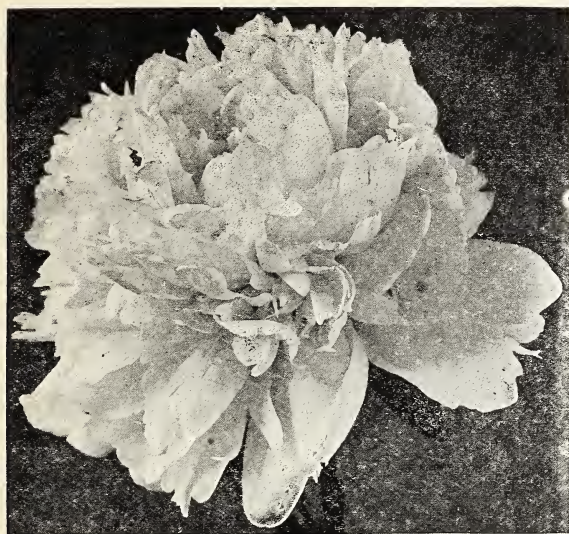
HONEYSUCKLE, (Lonicera jap. Halliana). An evergreen twining vine that is so much used for fences and trellis. Blooms continuously, is fragrant and very easy to establish. Price—50c each; 5 for \$2.00.

Honeysuckle, Scarlet. (L. sempervirens.) Has attractive trumpet shaped flowers of bright scarlet. Price—50c each.

KUDZU. Pueraria thunbergiana. The most rapid growing twining vine known today. It is marvelous how it will cover fences, pergolas or similar objects. Belongs to the pea family and the foliage is dark green, large and flowers are very sweet scented and purple in color. Price—50c each; 5 for \$2.00.

TRUMPET VINE, Bignonia Radicans. A vigorous woody vine; native of the section, bearing scarlet flowers, followed by long pods. It is easy to establish and grows luxuriantly. Valuable for covering any kind of shelter or rustic work. Price—50c each; 5 for \$2.00.

WISTERIA. A rampant clinging vine that has the robust vigor of a wild grape and the matchless beauty of a rare exotic. Flowers in large drooping clusters in both white and purple. Price—50c each; 5 for \$2.00.



Festiva Maxima Peony

Peonies

Peonies will grow almost any where, being hardy and long lived. You, perhaps, possess a plant or two that grew in grandmother's garden years ago.

Planting—Select a deep rich soil, sunny exposure and plant them just covering the eyes of the plant two inches, not more. Deep planting and shaded locations are the reasons why so many plants fail to bloom. Allow plenty of room to develop and three to four feet apart is not too much.

Prices—Varieties marked. 50c each, 5 for \$2.25; \$1.00 each, 5 for \$4.50; \$2.00 each, 5 for \$8.75. F. O. B. Louisville. Postal charges can follow C. O. D. if desired.

White Peonies

Baroness Schroeder. A very delicate flesh pink, fading to white with suggestion of heliotrope and gold. Midseason. \$1.00 each.

Festiva Maxima. The grandest of the whites. Early. The flowers are extra large, color a pure white save carmine tipped petals. 50c each.

Couronne d'Or. A cream colored white, compact blossom and very desirable. Late. 50c each.

Mad. de Verneville. Another very desirable white variety, free bloomer and should be in every collection. Early. 50c each.

Marie Jacquin. This is almost single, having only double row of outer petals. A favorite with everyone. Midseason. \$1.00 each.

Red Peonies

Francois Ortgat. A midseason to late variety, being very dark rose color with yellow stamens; flowers large on strong stems. Extra good 50c each.

Felix Crousse. A midseason variety of the most pleasing velvety red color, fading to lighter shades as the blossom falls. 50c each.

Karl Rosenfield. Rose type, late midseason, with large, showy rich velvety crimson flowers. Color most striking. \$2.00 each.

Pink Peonies

Asa Gray. A soft shell pink, mottled and veined rose. Mid-season, and plant vigorous. Supply limited. \$1.00 each.

Edulis superba. Another deep rose of different season, valued for its fragrance and freedom with which it flowers. Early. 50c each.

Lady A. Duff. Rose type and an unusual delicate flesh pink. One of the most striking of all peonies, with extra large cup shaped flowers. \$3.00 each.

LaPerle. Deep lilac white, blush center flecked carmine. Medium sized rose type and fragrant. 50c each.

La Tulipe. Of late season, compact blossoms, white with streaks of red and pink on many petals. Resembles the tulip somewhat. 50c each.

Livingstone. Late; clear pink. Very fine. \$1.00 each.

Marie Stewart. Crown type, midseason. Very delicate pinkish lavender flecked with crimson. Fades to white. \$1.00 each.

Marguerite Gerard. Another delicate pink, midseason, of great vigor and size. 50c each.

Mons. Jules Elie. Large compact, lilac-rose with lighter pink base petals. Fragrant. Early to midseason. \$1.00 each.

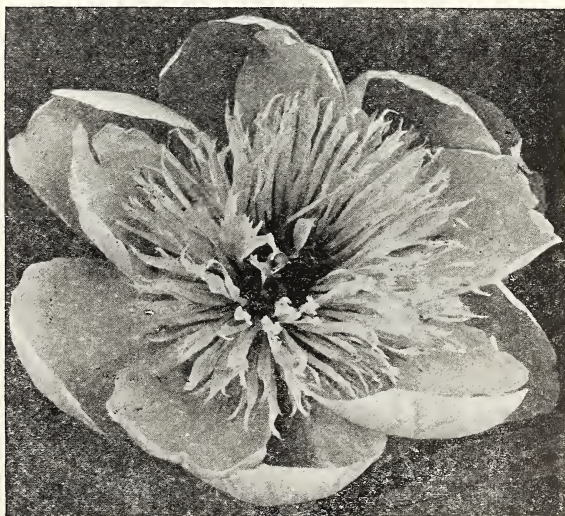
Venus. Pale hydrangea pink, large, compact crown. Midseason. \$1.00 each.

Octavie Demay. Very early, large flat flowers, center deep pink, guard petals lighter flesh or white. Fine for cutting. \$1.00 each.

Single Peonies

Clariette. Single white of unusual beauty. Large flowers and prominent tufts of golden stamens. \$2.00 each.

The Moor. Very striking deep rich red of unusual beauty. Stamens yellow and striking. \$2.00 each.



Single Peony The Moor

Gladioli

All Postpaid

There are no other Summer flowering bulbs so satisfactory, needing so little attention and thriving so well in almost any ordinary soil as the Gladiolus. Set the bulbs from 3 to 6 inches apart in rows, or for massing 6 inches apart, and about 4 inches deep.

KUNDERDI RUFFLED VARIETIES

The following include some of the best varieties introduced by A. E. Kunderd in the ruffled petal type. The flowers and spikes are unusually large, and are extensively grown for exhibition purposes.

	Each	Doz.	100
Kunderdi Glory. Creamy apricot with light tint of pink and red on the lower petals..	\$0.15	\$1.25	\$8.00
Mona Lisa. Palest rose-pink or blushed white. A gorgeous flower .....	.20	2.00	12.00
Orange Glory. Grand orange colored with beautiful lighter throat; ruffled .....	.15	1.50	10.00
Purple Glory. Velvet maroon. Large ruffled flowers; extra fine spike .....	.30	3.00	20.00



Gladiolus

ORANGE SHADES

	Each	Doz.	100
Prince of Wales. Beautiful light salmon with orange shade, very early	\$0.10	\$1.00	\$7.00
Summer Beauty. Very choice deep salmon, distinct shade..	.15	1.50	9.00

Gladioli, Named Hybrids

Our selection of varieties has been made from many and includes all those of exceptional merit and a wide range of colors.

BLUE AND PURPLE SHADES

	Each	Doz.	100
Baron Hulot. A fine violet-blue	\$0.10	\$1.00	\$10.00
Blue Jay (True). Bright light blue, with white shadings ..	.15	1.50	11.00
Herada. Pure mauve with deeper markings on throat. ....	.10	.80	6.00
Rev. Ewbank. A fine porcelain blue .....	.15	1.50	11.00
Viola. Mauve blue, gradually shading to rich violet, throat toned soft canary with purple blotch in lower petals .....	.15	1.50	11.00

PINK SHADES

America. Large flower, beautiful flesh pink .....	.05	.55	4.50
Byron L. Smith. Lavender pink on white ground .....	.25	2.50	19.00
Evelyn Kirtland. Rose-pink, darker at the edges and fading to shell-pink in center..	.15	1.25	8.00
Halley. A very attractive delicate salmon-pink .....	.10	.70	5.00
Ida Van. A beautiful deep salmon-red or flaming orange pink .....	.10	1.00	7.00
Loveliness. A beautiful cream colored variety .....	.10	1.00	7.00
Le Marechal Foch. Pure pink of immense size .....	.10	1.00	7.00
Mrs. Frank Pendleton. The flowers are very large, of lovely flushed salmon-pink, with brilliant carmine blotches in the throat .....	.10	1.00	7.00
Panama. Large, wax-like flower, clear pink, large spike	.10	1.00	7.00
Pink Perfection. Bright pink. Very large flower .....	.15	1.25	8.00

WHITE SHADES

Elora. Creamy white overlaid with pink .....	.20	2.00	12.00
Peace. The flowers are large, white with a pale lilac feathering on the interior petals	.10	.70	5.00
White City. Very large, almost pure white flowers, spikes 5 ft. tall. A grand variety ....	.10	1.00	7.00

RED AND SCARLET SHADES

Crimson Glow. A perfect scarlet of a deep tone on a tall spike	.15	1.25	8.00
Fire King. Long, graceful spikes of intense fire scarlet flowers	.10	1.00	7.00
Mrs. Francis King. Light scarlet of pleasing shade; long spikes, one of the best	.05	.50	4.00
Scarlet Princeps. A very large spike of massive crimson-scarlet flowers. Five to six open at one time	.20	2.00	10.00

YELLOW SHADES

Flora. One of the best yellows. Pale corn-yellow with delicate lines on lower petals	.10	1.00	7.00
Gold. A very fine pure yellow	.15	1.50	11.00
Flowerfield Gem. Light yellow with crimson blotch	.20	2.00	12.00
Gold Measure. A magnificent yellow. Very large open flowers; immense spike	.25	2.50	19.00
Niagara. Beautiful cream shade with lower petals blending to yellow inside; throat splashed carmine	.10	1.00	7.00
Schwaben. Delicate, pale yellow, dark blotch in center	.10	.50	4.00
Yellow Hammer. Pure yellow, with a small red mark in the throat. A fine forcer	.10	1.00	7.00

Primulinus Gladiolus

This race of Gladiolus has come to be extremely popular; they are easy to grow, beautiful for decorations; the colors are very artistic and embrace shades of yellow, pink and scarlet.

Each Doz. 100

Alice Tiplady. A grand, large, beautiful orange-saffron color	\$0.15	\$1.50	\$11.00
Jewell. A clear salmon-pink with golden throat. Tall, erect, early flowering	.15	1.50	11.00
Maiden's Blush. Enchantress pink. Well-shaped flowers on long, strong stems	.10	1.00	7.00
Orange Queen. Large flowers, orange yellow, tinted apricot. A grand variety	.35	3.50	25.00
Phantasy. A clear salmon-pink with coral margin, buds are brilliant orange-scarlet. Two lower petals are pale yellow, edged pink, with crimson veined throat. The upper petal folds back. Early flowering	.35	3.50	26.00
Salmon Beauty. Deep salmon with rich salmon-yellow throat	.15	1.25	9.00

Gladiolus in Mixture

Our mixtures are made up from fine varieties and are all selected first size bulbs.

Doz. 100 1000

Matchless Hybrids. This is our general mixture and is composed of fine sorts in all colors, in extra large size bulbs only	\$0.45	\$3.50	\$25.00
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GLADIOLUS—Continued

Special Mixture. This mixture is made up from named varieties and seedlings. They are splendid for cutting and borders

.75 5.00 45.00

Caladium Esculentum

(Elephant's Ear)

By Mail Postpaid.

Grand tropical plant. A favorite for specimens on the lawn. Height 3 to 4 feet.

Postpaid

Each Doz.

Large Bulbs, 7 to 9 in. in circum.	\$.015	\$1.70
9 to 11 in.	.20	2.25
11 to 12 in.	.35	4.00
12 in. or more	.40	4.50

Fancy-Leaved Caladiums

Beautiful variegated leaved plants adapted for pot culture or bedding if given sheltered positions.

Postpaid

Each Doz.

Fancy-leaved Mixed Varieties	\$0.30	\$3.60
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Cannas

By Mail Postpaid.

Cannas should not be planted until the warm weather sets in, or about May 15th. If planted too early the bulbs are apt to rot.

The following are a selection of the largest flowering varieties which we can recommend for bedding or borders. We shall be pleased to supply other varieties not named at catalog prices.

Each Doz. 100

American Red Cross. A glowing cardinal scarlet. Large deep green leaves. 3½ ft.	\$0.15	\$1.50	\$10.00
Eureka. A very free blooming creamy white with green foliage	.15	1.00	10.00
King Humbert. Bronze foliage, with orange-scarlet flowers. 4 ft.	.15	1.50	10.00
Martha Washington. One of the most superb pink varieties	.15	1.50	10.00
Panama. An attractive rich orange-red, with edge of golden yellow. 3 ft.	\$0.15	\$1.50	\$10.00
Richard Wallace. Canary yellow, 4½ ft.	.15	1.50	10.00
The President. A gorgeous green leaf variety with great trusses of bright red flowers	.15	1.50	10.00
Yellow King Humbert. A beautiful yellow, lightly spotted red, with green foliage. 5 ft.	.15	1.50	10.00
Mixed Varieties	.10	1.00	8.00



Iris

Iris German Iris

- Alcazar**—Bluish violet standard with brilliant purple fall. 25c each; \$2.50 doz.
- Darius**—Yellow standard with ameythst fall, 25c each; \$2.50 doz.
- Eldorado**—Yellowish bronze standard with purple fall, 25c each; \$2.50 doz.
- Florentina**—White and Lavender standard with white and lavender fall, 25c each; \$2.50 doz.
- Germanica**—Light blue standard with dark blue fall, 25c each; \$2.50 doz.
- Her Majesty**—Rose pink standard with rose pink fall, 25c each; \$2.50 doz.
- Lohengrin**—Silvery Mauve standard with silvery mauve fall, 25c each; \$2.50 doz.
- Mrs. E. Darwin**—Satiny white standard with satiny white fall, 25c each; \$2.50 doz.
- Mme. Chereau**—Lavender pink standard with creamy white fall; 25c each; \$2.50 doz.
- Nokomis**—Pale lavender white standard with violet blue fall, 25c each; \$2.50 doz.
- Rose Unique**—Bright violet rose standards with bright violet rose fall, 25c each; \$2.50 doz.
- Trojana**—Purple standard with purple fall, 25c each; \$2.50 doz.

Japanese Iris

The Japan Iris is perfectly hardy and flowers in great profusion in July and August.

The large size of the flowers is noteworthy, as they often reach 6 to 8 inches across in most fascinating combinations.

Forty-two

Distinction. Light lavender-pink, shading bright yellow at base of petals.

Gold Bound. Large, pure white, yellow center.

Mahogany. Deep velvety, mahogany-red.

Pyramid. Violet-blue, veined white in center of each petal.

Prices of the above, strong clumps, 40c each; \$4.00 for 12.

Large individual clumps, \$1.00 each, \$10.00 for 12.

Tuberoses

By Mail Postpaid.

One of the most fragrant and popular of the Summer flowering bulbs. May be started in hotbeds or pots, or planted in open ground after first day of May.

Excelsior Double Pearl. Extra fine bulbs. 5c each, 50c doz., \$3.00 per 100.

It is an obligation of ours to supply, in bulb roots, tubers, etc., only those sizes and ages which will bloom the season they are planted. Reasons for failure in producing a crop of blooms from bulbs, tubers, etc., comes from two main causes, principally small size roots, immature bulbs and secondly diseases and insect ravages.

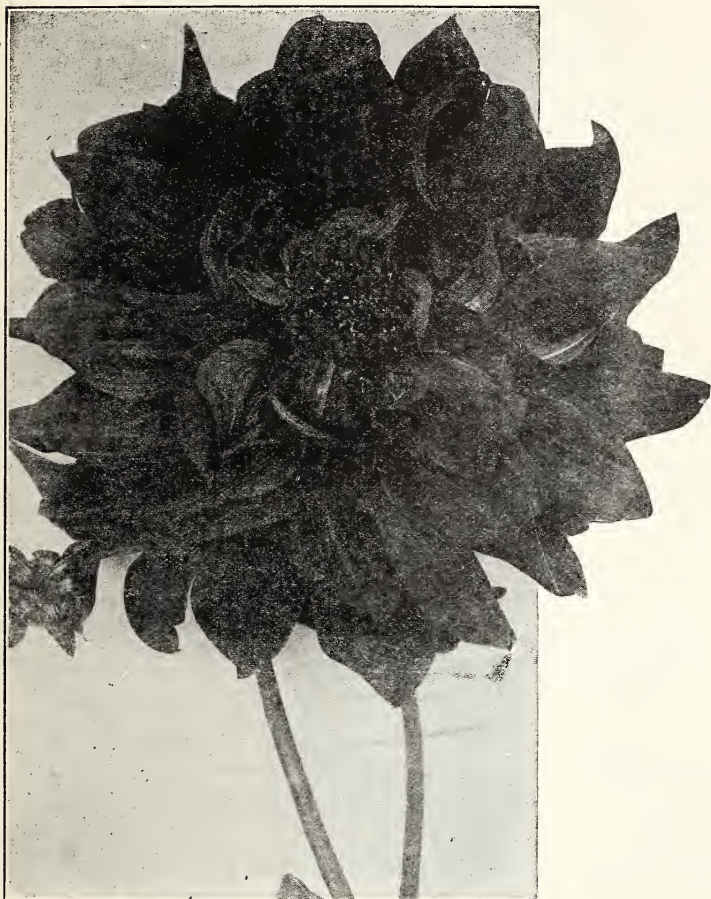
The first cause you can readily manage yourself. Diseases can be avoided or cures can be affected by the use of certain disinfectants and disease repellers. The most satisfactory of all the disease repellers is Semesan. Dipping or covering bulbs and roots with Semesan, prevents crown rot, etc. For further information see Insecticide Page.



Tube Roses

Dahlias

The King of Late Summer Flowers



Mrs. I. De Ver Warner Dahlia
CACTUS

Attraction. A beautiful dahlia that is greatly admired. The flowers, which measure fully 6 inches in diameter, are composed of gracefully arranged curled or twisted petals of a lively yet sofe silvery mauve-rose, with white suffusion. Price, 35c.

Kalif. Its brilliant pure scarlet color and strong stout stems make it one of the most useful dahlias, both for cutting and exhibition. Price, 45c.

Gladys Bates. A huge cutting flower of perfect form, color tan with rose reverse, a dahlia of real merits. Price, 40c.

Ballet Girl. Very large cactus, with long very finely quilled petals. Colors, orange tipped white; some flowers solid orange on same plant. Price, 50c.

Gladys Sherwood. An immense pure white blossom, deep and full, held very erect on splendid stems. A most popular white. Price, 70c.

DECORATIVE

By Mail Postpaid.

Mrs. I. De Ver Warner. One of Judge Marean's best creations. Very large beautiful flowers of fine form and substance. Color a rich rosy mauve. Stems long and rigid. Very attractive in the garden and one of the best, for exhibition and for cutting. We consider it one of the best dahlias on our list. Price, 60c.

Pride of California. Dark rich crimson of pleasant form and large size. Flowers held erect on splendid stems. One of the best red decorative dahlias for cutting yet introduced. Price, 25c.

Queen Mary. Bright Shell, large; pleases everybody. Price, 20c.

Shannon. A large bold flower on long stiff stems. This wonderful new dahlia cannot be excelled as a cut-flower or garden variety. Without disbudding it often measures 7 across and 5 deep. Will last a week when cut. The color is a deep golden orange overlaid with a silvery sheen causing it to glisten in the sun or artificial light. Price, 40c.

Judge Marean. In this large dahlia there is a riot of blending color, ever changing as the flower ages. There is a glowing salmon pink, iridescent orange, yellow and pure gold, and the shades all blend most beautifully. The large fine flower stands on a long, straight, strong stem facing the garden boldly. Price, 75c.

Snowdrift. Pure white, full deep built flower with broad petals. Low bush. One of the best white decoratives. Price, 70c.

Mrs. Carl Salbach. An immense bloom of a lovely, mauve pink, shading lighter to the center and every petal outlined in deep mauve. The stems are extremely long and strong, holding this immense blossom proudly erect above a tall, vigorous plant. A most valuable and useful exhibition and cut flower variety. Price, 40c.

Mina Burge. Large brilliant deep red. Price, 20c.

SHOW

Maude Adams. Fine white, suffused clear pink. Price, 25c.

A. D. Livonia. Medium sized, shell pink, very fine cut-flower. Price, 15c.

Ethel Mower. An exquisite shade of shell pink, carried on long stiff stems. Fine exhibition variety. Price, 45c.

Delighted. Giant pure white. Price, 20c.

Roses — The Queen of all Flowers

Cultivation of Roses

If these cultural directions are faithfully followed, they will insure success.

The Soil—Any good garden soil is suitable for Roses, providing it is well drained and rich in fertilizing elements. Cut the plants back well when they are first planted, about 6 inches from the ground, and after the Roses are planted, they should be well firmed in the soil with the foot. This will prevent the roots working up to the top of the soil. Hybrid Tea Roses can be planted 18 inches apart; the Perpetuals 2 feet apart; Climbers, 4 to 6 feet apart, depending on the variety and the object desired. Be sure you do not permit any fresh manure to be used at the roots of the plants, as this will burn the roots.

Mildew and Black Spot—Derrisol or Black Leaf "40" applied every two weeks, from May to Fall, or Bordeaux mixture—5 ounces powder to 1 gallon of water. (This discolours foliage slightly).

For Sucking Insects; Aphids, etc.—That curl the leaves and spoil the buds, Blackleaf "40", Derrisol, Lemon Oil.

For Leaf-eating Insects, Worms and Beetles—Arsenate of lead, Derrisol.

Combination Fugicide and Insecticide—Pyrox, Bordeaux mixture and arsenate of lead.

Fertilizers—If possible to procure some well-rotted cow manure, put on during August as a mulch, or apply liquid cow manure diluted until it is the color of strong tea, one small dipperful to each bush twice a month until September 1st.

Watering—Soak the beds once every ten days and spray plants twice a week with as much force as possible with a nozzle on the hose. This helps control insects and keeps the wood soft enough to grow. This should be done early in the morning or sufficiently early in the afternoon so they will not be wet over night.

Cultivation—Stir the soil frequently, but do not cultivate deeper than 2 to 3 inches as the fine feeding roots must not be disturbed.

Pruning—The blooms must be cut off so as to induce new strong shoots. The best shoots that make long-stemmed Roses come from the lowest 6 inches of the bush, so prune severely if long stems are desired. Do not prune after September 1st, as the new growth thereafter will be too soft to live over the winter. All prices F. O. B. Louisville. No orders send C. O. D.

Single plant	\$0.75
½ doz. plants	\$3.75
1 doz. plants	\$7.20

Extra strong two year field grown plants.

White Killarney H. T.—Pure white.	
Aaron Ward H. T.—Distinct Indian yellow shading light near edges.	
Columbia H. T.—Glowing pink.	
Sow De Haud Pernet H. T.—Sun bower yellow, deeper in center.	
Duchess of Wellington H. T.—Sulphur yellow.	
Madame Butterfly H. T.—Apricot pink.	
Frau Karl Druschki H. P.—White.	
Gruss An Teplitz H. T.—Scarlet	
J. J. L. Mock H. T.—Deep pink.	
Elule De France H. T.—Bright red.	
Los Angeles H. T.—Flame pink.	
Radiance H. T.—Pink.	
Red Radiance H. T.—Scarlet.	
Sunburst H. T.—Yellow, suffused with orange.	
American Beauty H. P.—Deep pink.	

POLYANTHA OR BABY RAMBLER

Single plant	\$0.75
½ doz. plants	\$3.75
1 doz. plants	\$7.20
Baby Rambler—Crimson.	
Catherine Zeimet—Double pure white.	
Orleans—Bright red.	
Hugonis—Golden rose of China.	

CLIMBING ROSES

Prices as listed.

American Pillar—Single deep pink.	
2-yr. Plants	\$0.75
3-yr. Plants	1.00
Climbing American Beauty—Deep pink.	
2-yr. Plants	\$0.75
3-yr. Plants	1.00
Climbing Christine Wright—Double light pink.	
2-yr. Plants	\$0.75
3-yr. Plants	1.00
Dorothy Perkins—Cluster pink.	
2-yr. Plants	\$0.75
3-yr. Plants	1.00
Dr. Van Fleet—Semi-double, shell pink.	
2-yr. Plants	\$0.75
3-yr. Plants	1.00
Excelsa—Cluster Crimson.	
2-yr. Plants	\$0.75
3-yr. Plants	1.00
Pauls Scarlet—Deep scarlet.	
2-yr. Plants	\$1.00
Silver Moon—Semi-double pure white.	
2-yr. Plants	\$0.75
3-yr. Plants	1.00
Mary Wallace, Pillar Rose—Flowers very large, exceeding 4 inches across, well formed semi-double, a bright clear rose pink with salmon base to petals.	
2-yr. Plants	\$1.25

Blue Ribbon Clover Seeds

Prices subject to market changes

(F. O. B. Louisville)

(C. B.—Cotton bags 35c extra. B. B.—Burlap bags no charge)

	Quantity for acre	Postpaid per lb	Per bushel	Per 100 lbs.
Alfalfa, or Lucerne (Medicago sativa). Northwestern. One of the most valuable forage plants (C. B.)	20 lbs.	\$0.40	\$12.50	\$20.00
Alfalfa, Grimm. Certified. Much hardier than any other variety (C. B.)	20 lbs.	.60	26.00	43.00
Alsike (Trifolium hybridum). The hardiest of all Clovers, can be cut several times in one season. Grows well on low, wet land (C. B.)	10 lbs.	.45	18.00	29.00
Crimson, or Scarlet Clover (Trifolium incarnatum). An annual variety producing large crops of green foliage (C. B.)	20 lbs.	.30	8.00	12.50
Mammoth Red, or Pea Vine. Grows much taller than Medium Red Clover (C. B.)	10 lbs.	.60	21.00	34.50
Medium Red (Trifolium pratense). Domestic. This is the common Red Clover so largely grown throughout the country (C. B.)	15 lbs.	.60	20.00	33.00
Medium Red. Imported seed. Ten per cent stained seed (C. B.)	15 lbs.	.60	20.00	33.00
Sweet Clover, Bokhara (Melilotus alba also yellow blossom). Will grow on very poor soils; useful for ensilage and plowing under. Grows from 3 to 4 ft. high. Hulled seed (C. B.)	15 lbs.	.25	5.25	10.00
White Clover (Trifolium repens). The best variety for lawns; valuable in permanent pastures (C. B.)	10 lbs.	.75	42.00	70.00
Japan. (Lespedeza Striata). This is particularly suitable for waste lands, woodland pastures, grows fairly well on poor soils, and spreads rapidly; and when once established, usurps wild growths, and will in many cases even subdue broom sedge. It is not, however, a pest, and can be gotten rid of by plowing it up, and is excellent as a fertilizer. Sow broadcast in the spring during March or April, at the rate of about 10 pounds per acre. Price, per lb., 40c; 10 lbs., \$3.50 postpaid; sacked, bushel, \$4.50.				

GRASS SEED MIXTURES FOR HAY AND PERMANENT PASTURES

Mixture No. 1. For light, sandy or loamy soils. Perennial Rye Grass, Orchard Grass, Fancy Red Top, Alsike Clover, Tall Oat Grass, Kentucky Blue Grass, Sheep Fescue, Red Clover. Sow 20 lbs. per acre. Price, per lb., 35c; 10 lbs., \$3.40 postpaid. Buyer's Expense—20 lbs., \$5.00; 100 lbs., \$19.00. Sacked.

Mixture No. 2. For limestone, stiff or loamy upland soils. Orchard Grass, Kentucky Blue Grass, Perennial Rye Grass, Tall Oats Grass, Fancy Red Top, Red Clover. Sow 25 lbs. per acre. Price, per lb., 45c; 10 lbs., \$3.75; postpaid. Buyer expense—25 lbs., \$8.00; 100 lbs., \$30.00. Sacked.

Mixture No. 3. For heavy loam or clay or bottom lands. Timothy, Fancy Red Top, Meadow Fescue, Alsike Clover, Mammoth Clover. Sow 18 lbs. per acre. Price, per lb., 35c; 10 lbs., \$3.40 postpaid. Buyer's Expense—18 lbs., \$5.00; 100 lbs., \$19.00. Sacked.

Mixture No. 4. For wet bottom land, subject to overflow. English Blue, Fancy Red Top, Italian Rye Grass, Rough Stalked Meadow, Mammoth Clover. Sow 25 lbs. per acre. Price, per lb., 35c; 10 lbs., \$3.40; postpaid. Buyer's Expense—25 lbs., \$4.00; 100 lbs., \$20.00. Sacked.

Mixture No. 5. Especially for the South on any good soil withstanding hot, dry weather. Bermuda Grass, Fancy Red Top, English Blue, Tall Oat Grass. Sow 15 lbs. per acre. Price, per lb., 40c; 10 lbs., \$2.50; postpaid. Buyer's Expense—15 lbs., \$4.00; 100 lbs., \$24.00. Sacked.

Wood, Stubb & Co.'s Special Pasture Mixture. This is a special mixture for affording a quick growing and lasting pasture for stock and poultry and can be used advantageously on side lots or in fields where sod of somewhat rough turf is desired. It is suitable either for high or low ground, and will afford grazing from early spring until late autumn, but cannot be cut for hay. Sow 16 pounds per acre. Price, per lb., 35c; 10 lbs., \$3.00; postpaid. Buyer's Expense—16 lbs., \$2.25; 100 lbs., \$26.00. Sacked.

Selected Oats Seed

GRAIN AND FORAGE CROPS

Write for Prices on Quantities when ready to buy.

Black Mixed Spring Oats. Usually preferred for thin land. Heavy producer. Bu., 80c, sacked.

Burt or Ninety Day Oats. One of the most popular of the early varieties. Excellent for grain and hay. Bu., 90c, sacked 5 bu. bags.

Texas Red Rust Proof Oats. Carefully re-cleaned, genuine Southern grown. 90c, sacked 5 bu. bags.

White Spring Oats. Heavy re-cleaned. Northern grown stock. Produces abundantly. Bu., 80c, sacked 5 bu. bags.

Winter Turf Oats. A superior oat for spring planting. Heavy re-cleaned seed. \$1.50 per bu. sacked.

MILLET

True Tennessee Grown Cultivated Golden. Sow 1 to 1½ bushels per acre, broadcast. Pk., \$1.00; postpaid, bu., \$2.25, sacks 35c extra.

RAPE

Dwarf Essex. The quickest growing forage crop produced, ready to pasture within 60 days. Invaluable for hogs, sheep and poultry. A good crop of rape will carry more hogs during hot, dry weather than four times the amount of land planted to anything else. Sow four to six pounds per acre. 1 lb., 25c; 10 lbs., \$2.20; Post paid. 50 lbs., \$6.00; 100 lbs., \$10.00. F. O. B. Louisville. Bag 35c extra.

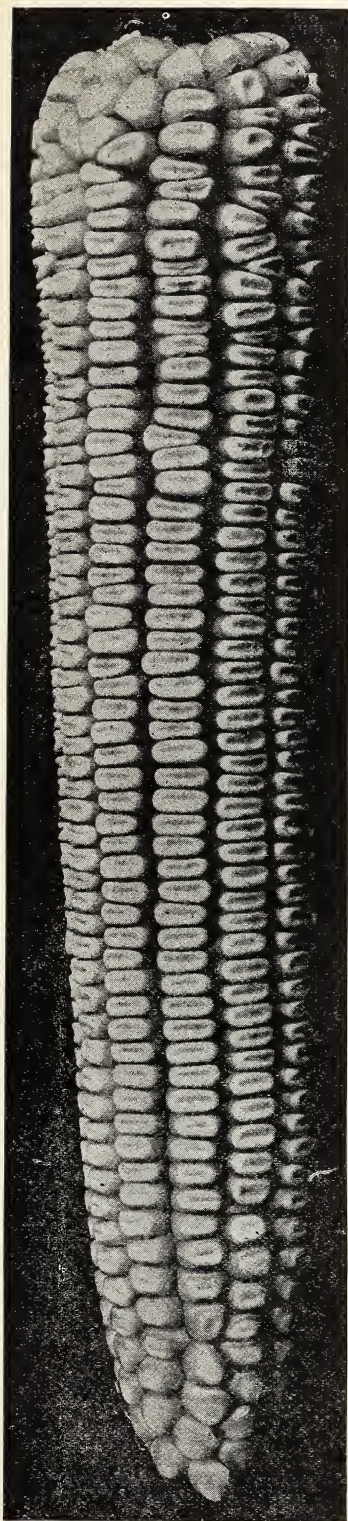
Grass Seeds

For Pasture, Meadows and Lawn

Prices subject to market changes.

Cotton Sacks (C. S.) 35c Each, Burlap Bags (B. B.) Included Weight Postpaid F. O. B. Louisville

	per bushel	Lb.	Bushel	100 lbs.
Bermuda Grass. Used in the southern states for Lawns (C. S.)	35 lbs.	\$0.55	\$17.50	\$45.00
Canadian Blue Grass (<i>Poa compressa</i>). A more rapid grower than Kentucky Blue Grass and equally good for pasture, but not as suitable for lawns. This is an excellent pasture grass for poor, dry land (B. B.)	14 lbs.	.40	4.20	27.00
Creeping Bent Grass (<i>Agrostis Stolonifera</i>). Desirable for mixing with other lawn or pasture grasses (C. S.)	15 lbs.	3.00	45.00	
Created Dogstail (<i>Cynosurus cristatus</i>). Roots fibrous and tufted; perennial. This is a most valuable permanent pasture grass. For parks this grass is well suited because of its fine, close growth and pleasant green color (C. S.)	20 lbs.	1.10	20.00	100.00
English Rye Grass (<i>Lolium perenne</i>). Produces a strong growth in four or five weeks after sowing. Sow 60 lbs. to acre (B. B.)	24 lbs.	.30	4.00	17.00
English Rye Grass (Pacey's). A carefully selected, short-seeded, dwarf-growing strain, suitable for lawns (B. B.)	24 lbs.	.35	5.00	21.00
Fine Leaved Fescue (<i>Festuca ovina tenuifolia</i>). Suitable for lawns and putting greens (C. S.)	16 lbs.	.80	11.50	70.00
Hard Fescue (<i>Festuca duriuscula</i>). A slender, densely tufted perennial grass, 1 to 2 ft. high. Thrives on dry, sandy soils (C. S.)	14 lbs.	.50	6.00	42.00
Italian Rye Grass (<i>Lolium italicum</i>). It is a very rapid grower, forms a dense turf, and is regarded as an excellent hay grass (B. B.) ..	22 lbs.	.25	4.25	18.00
Kentucky Blue Grass (<i>Poa pratensis</i>). A very widely distributed species, and without a rival as a pasture grass. Being of perennial habit, it will when established, last indefinitely. One of the finest varieties of grasses for use in lawns, owing to the thick growth of sod (B. B.)	14 lbs.	.40	4.20	25.00
Meadow Fescue, or English Blue Grass (<i>Festuca pratensis</i>). Root creeping; perennial; flowers in July; one of the most valuable of the Fescue grasses. This grass is well adapted for permanent pastures. It should be always mixed with other grasses (B. B.)	15 lbs.	.35	4.50	25.00
New Zealand, or Chewing's Fescue (<i>Festuca rubra</i>). Resists extreme drought; thrives on inferior soils, gravelly banks and exposed hills. 25 lbs. to acre (B. B.)	14 lbs.	.40	4.20	25.00
Orchard Grass. A good grass for hay crop, yielding nearly the same amount as Timothy. Orchard Grass will grow on almost every soil. One of the best grasses for sowing in shady places and among fruit trees in orchards. 35 to 40 lbs. required for one acre (B. B.) ...	14 lbs.	.35	3.00	20.00
Red or Creeping Fescue (<i>Festuca rubra</i>). Resists extreme drought, thrives on gravelly banks and exposed hills. Excellent for Lawns and Putting Greens, 25 lbs. per acre (C. S.)	14 lbs.	.60	7.00	50.00
Red Top, Fancy Cleaned (<i>Agrostis vulgaris</i>). A highly recommended grass for permanent pasture and as meadow grass for hay. Red Top is especially valuable for sour and acid soils, and meadow lands. Red Top makes one of the best grasses for lawn use, either sown alone or in connection with White Clover, or in a mixture with other grasses. Use 14 to 16 lbs. to acre (C. S.)	14 lbs.	.35	2.25	15.00
Rough Stalked Meadow Grass (<i>Poa trivialis</i>). A spreading, stoloniferous rooted grass. Adapted for shady lawns, and pasture mixtures (B. B.)	14 lbs.	.75	9.25	65.00
Sheep Fescue (<i>Festuca ovina</i>). A small tufted, hardy grass, of value in mixture for lawns or dry soil (C. S.)	14 lbs.	.50	6.00	42.00
Tall Meadow Oat Grass (<i>Avena elatior</i>). A fibrous-rooted perennial; flowers in July; of luxuriant growth, and valuable in permanent pasture on account of its early and late growth (B. B.)	10 lbs.	.25	2.25	20.00
Timothy, or Herb Grass (<i>Phleum pratense</i>). The standard hay of commerce. Timothy sown alone requires about 20 lbs. per acre; when sown with Red Clover use 15 lbs. Timothy and 5 lbs. Red Clover (C. S.)	45 lbs.	.20	2.90	6.25
Wood Meadow Grass (<i>Poa nemoralis</i>). Excellent for shaded positions in lawns and woodland parks. Very hardy, resisting extremes of heat and cold (C. S.)	14 lbs.	1.00	12.00	85.00



Iowa Silver Mine Corn

Blue Ribbon Field Seed Corn

WHITE VARIETIES

Johnson County White Dent. A very highly bred White Corn, of large size. It is medium late-maturing variety. The ears are from 9 to 11 inches in length and $7\frac{1}{8}$ to 8 inches in circumference containing from 18 to 22 rows. The cob is medium in size and white in color and butts of ears deeply rounded with medium shank. Tips of ears fill well, a large per cent being completely covered with grain. 1 pk., 75c; 1 bu., \$2.75; 5 bu., \$2.65 per bu. Sacked.

Eureka Ensilage. This is truly a remarkable corn, producing an immense amount of fodder and an exceedingly heavy crop of long, slender ears of grain of the finest milling and feeding quality. 1 pk., \$1.00; 1 bu., \$3.00; 5 bu., \$2.85 per bu. Sacked.

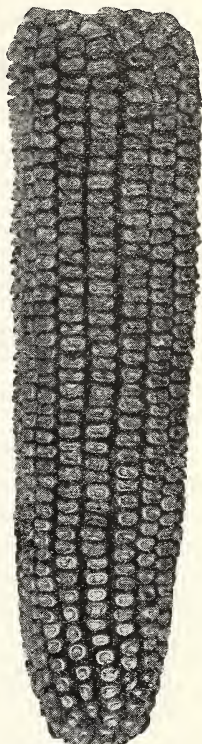
Hasting's Prolific Corn. Hasting's Prolific Corn is acknowledged by many stock feeders and dairymen as the best of all ensilage varieties. The stalks grow from 8 to 12 feet tall, bearing three to four ears to the stalk. The stalks are stout, deep rooted and stand up well under winds. Good land has been known to produce from four to six well filled, medium size, well shaped ears. The grain is deep, hard and white. The ears are medium to small, protected by tight-fitting shuck. Hasting's Prolific Corn matures in 120 to 130 days, is a splendid corn for roasting ears, grain production, milling purposes and general feeding. Pk., \$1.00; bu., \$3.00; 5 bu. at \$2.85 per bu.

Hickory King. This variety is immensely popular and justly so on account of its heavy yield, both of grain and fodder. While the ears are short, they more than make up for this in the large size of the grain. There are usually two and sometimes three ears on a stalk and the grain is the very highest quality for milling and feeding. 1 pk., 75c; 1 bu., \$2.75; 5 bu., \$2.65 per bu. Sacked.

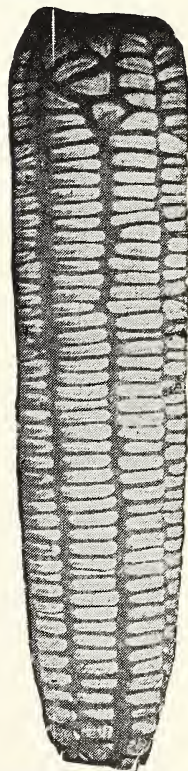
Iowa Silver Mine. One of the best early white corns, which matures in this locality in 85 days. It is pure white, grain is solid, dented, and produces fine meal. Ears are of good length, symmetrical, well filled; grains are deep, narrow, averaging 18 to 20 rows, solidly packed on the cob. Our stock is Iowa grown. 1 pk., 75c; 1 bu., \$2.75; 5 bu., \$2.65 per bu. Sacked.

Improved Boone County White. The ears are 8 to 11 inches long, $7\frac{1}{8}$ to 8 inches in circumference, averaging from 12 to 18 ounces; cob is medium long, grain pure white and out remarkably well, both tips and butts. 1 pk., 75c; 1 bu., \$2.75; 5 bu., \$2.65 per bu. Sacked.

Mammoth Red Cob White Dent. One of the best all-around white sorts for rich land, producing large crops of fine quality corn. The ears averaging about 10 inches in length, of uniform size and great depth of grain, rows 18 to 34 on red cobs, well filled. 1 pk., 75c; 1 bu., \$2.75; 5 bu., \$2.65 per bu. Sacked.



Johnson County White Dent Corn



Hickory King Corn

Corn (Continued)

YELLOW VARIETIES

Early Yellow Dent. An early variety of yellow corn well suited to Southern needs, producing one to two good ears to the stalk. The ears will average from 10 to 12 inches, grain slightly dented, rich in color and fine feeding quality. 1 pk., 85c; 1 bu., \$3.00; 5 bu., \$2.90 per bu., sacked.

Southern Prize Yellow Dent. We are firmly convinced that all Yellow Varieties of Corn are becoming more popular every day. There is a larger demand for Yellow each year from the Poultry Feed Manufacturers, large feeders and other allied industries.

We hear various arguments regarding the qualities of yellow corn for feeding purposes, as compared to white corn. Popular favor and usage lean decidedly toward the yellow variety.

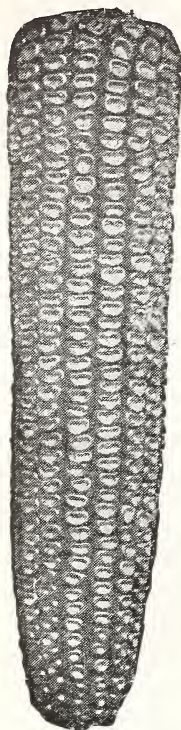
We have grown in Southern Indiana for a number of years, a variety of Early Yellow Seed Corn. This we have sold to the trade and also to the consumer as **Southern Prize Yellow Dent.** We believe this is one of the earliest of all varieties of Yellow Corn. It has a very rich orange yellow color and runs very high in oils. The ears are from 11 to 12 inches long, the grain comparatively deep but not long and yellow as the Reids Yellow Dent. The cob is small and well filled at both ends. One to two ears are borne by each stalk. The stalks are large and full of foliage.

This corn is wonderful for silage on account of its large stalks, foliage and grain qualities.

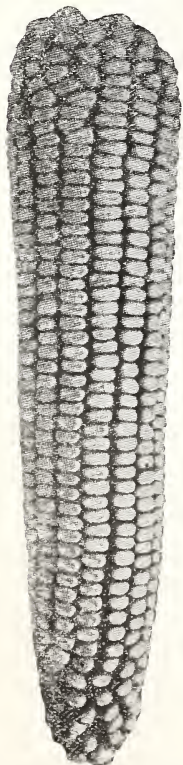
In the south the weevil and other insects attack it less than they do other varieties of Yellow Corn. It produces wonderfully well on poor thin soil. Buy some of this by all means this year. Price, pk., \$1.00; bu., \$3.50; 5 bu. lots, \$3.25 per bu., sacked.

Reids Yellow Dent. Our grower of this variety of corn advises us this season that he has just harvested one of the finest crops he has ever grown. Thru hand selection and careful roguing his seed stocks have been brought up to a place where they are the envy of his neighbors. This corn is almost perfect in shape, being well filled at the end, a deep grain on comparatively thick ears. The ears are usually from 10 to 11 inches and contain from fourteen to sixteen rows of corn. The grains are plenty, deep, slightly dented and a rich yellow color. The cob is comparatively small.

The variety is well known and has been one of the most consistent preformers of all the yellow corns in the middle and central west. It matures early and thrives better than most corn under adverse conditions. We especially recommend it to those desiring to improve their corn crops for the coming season. Pk., 85c; bu., \$3.00; 5 bu. lots, \$2.95 sacked.

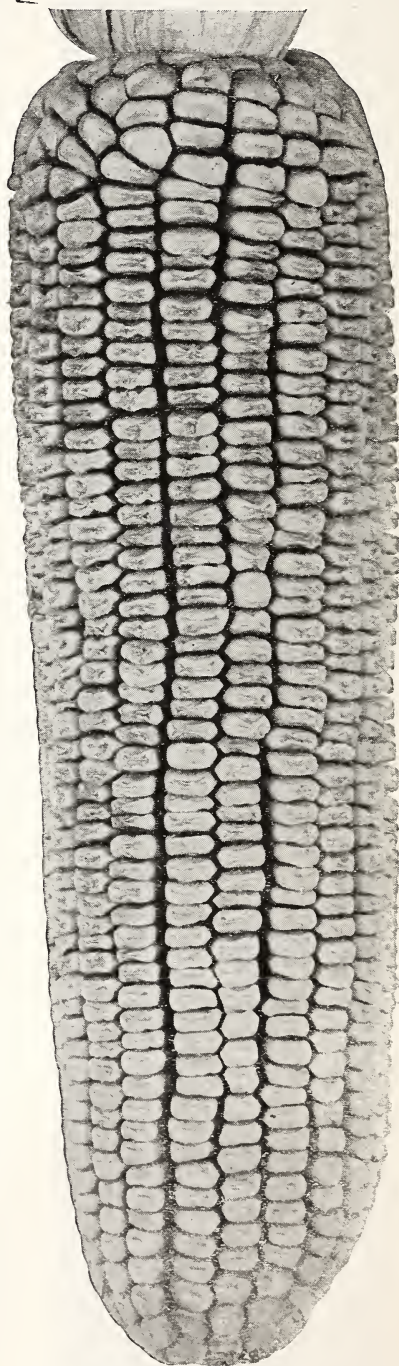


Southern Prize Yellow Dent Corn



Early Yellow Dent Corn

Forty-eight



Reids Yellow Dent Corn

Cow Peas and Soy Beans

WORTH KNOWING ABOUT SOY BEANS

They will grow on all kinds of soils.
Soy beans have a higher feeding value than cow-pea hay.
Soy bean hay is more nutritious than cow pea hay and stock like it better.
As a milk and butter producer soy beans are equal to alfalfa and superior to cotton seed meal.
A bushel of soy beans is worth more for feed than two bushels of corn.
They can be hogged down without any harvesting expense.
When cut at the proper stage of growth the hay is equal to alfalfa for dairy cattle.
Drought and excessive rainfall affect them less than cowpeas.
It is one of the easiest crops to grow and harvest.
They make a fine hog pasture.
They can be grown with cow-peas to hold the pea-vines off the ground; will improve the quality of the hay and make it easier to cure.
They increase the yield of the following crop.
They make a rich and nutritious hay and one of the cheapest.
The beans always find ready sale at the oil mills and for planting.
It is one of the South's most economical soil improvers.
They require no fertilizers except acid phosphate.

Cow Peas (Recleaned)

2½ bu. to The Bag.

Mixed. A general mixture of good standard varieties which are used largely for forage and improving the soil. Produces rank foliage. \$2.50 bu., sacked.

New Era. Are two or three weeks earlier than Whippoorwill, and make a heavier growth of vine. The seed is small, but a large amount of it is produced on the vines. Erect growth, \$2.50 per bu., sacked.

Whippoorwill. Best early variety for hay and forage. An excellent soil improver but does not produce as much foliage as the Mixed and Black Cow Peas. Bush variety \$2.75 bu., sacked.

Blacks. Little later than the Whippoorwill, but produces more foliage. One of the best of all vine varieties for forage and soil improvement. \$2.75 sacked.

Brabham. One of the best early varieties for hay and forage. Upright in growth \$2.75 bu., sacked.

Clay. An excellent variety for forage and soil improvement. Trailing and a rank grower. Vining variety. \$2.50 bu. sacked.

Canada Field Peas

Canada Field Peas. Canada Field Peas should be sown in February or March, weather permitting. They make large yields of most nutritious hay, cut either green or cured for hay. They should be sown one and a half to two bushels per acre with one-half bushel spring oats. Pk., \$1.00; bu., \$3.50, sacked.

Soja or Soy Beans

2½ bu. to The Bag

Soja or Soy Beans. The cow pea and soy bean have many points in common and are closely allied. Unlike some varieties of cow peas, the soy bean grows upright, never trails or spreads widely over the ground. Sow ½ bushel in drill, 1½ bushels broadcast in May, June or July.

Virginia

On account of its abundant growth and large yield of beans, the Virginia makes most excellent hay and ensilage. As it is about 20 days earlier than Mammoth Yellow. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure. Per bu., \$3.00 sacked.

Mammoth Yellow

The latest, yet the most extensively grown for both beans and forage, both of which it yields in great abundance. It grows more than 3 feet high, is erect in growth and can be cut with a mower. Mammoth Yellow is one of the largest growers among soy beans. Per bu., \$2.45 sacked.

Hollybrook. Earlier than the Mammoth Yellow. Fine for hay, forage and beans. Matures in about 130 days. Possibly the heaviest seed yielding variety of the early maturing sorts. \$2.25 bu., sacked.

O'Too Tan. An excellent new hay bean. 1 lb., 25c; postpaid.

Laredo. A new soy bean, very desirable for hay in Kentucky and the South. Stools like orchard grass, holds its beans exceptionally well and is not subject to wilt. 1 lb., 25c; postpaid. \$3.50 bu., sacked.

Mid-West. An early, yellow hay bean, much used here. \$2.25 bu., sacked.

Mung. The new wonder crop. Mung Beans bid fair to out-rival anything yet discovered as a hay, forage and soil-improving crop. Mung beans are drouth-resistant and have made wonderful crops of hay and forage where cow peas and soy beans have been killed off completely by the blistering and withering heat of an extended summer's drouth. 1 lb., 30c; 10 lbs., \$2.00; Postpaid.

Wilson Early Black

Average height on good land is about 3 feet. Mature in about 115 days, stands up well, make pods a good distance from the ground. Per bushel \$3.00 sacked.

Early Lexington Soy Bean. Unrivalled for the North and South. Extremely early. Produces heavy hay and grain crops. Grows upright, making excellent forage or hay. Recommended by the Lexington Agricultural Experiment Station, from which it gets its name, as being one of the finest of the early maturing varieties. Splendid for late planting. Per bu., \$3.00 sacked.

Seed Wheat

Why Use Certified Seed Wheat?

1. Increase your yield per acre.
2. Secure higher price per bushel.
3. Harvest easier—Stiff strawed varieties.
4. Better quality crop—disease resistant varieties.
5. Get a new start—Use seed free from cockle, cheat and smut.
6. Personal pride—Grow purer and better wheat than your neighbor.
7. Better quality flour—Means better quality bread.

We can offer only in limited quantities Certified Trumbull and Gladden, subject to being unsold. Place your order early. We recommend these varieties for Kentucky, Tennessee and Southern Indiana.

TRUMBULL is a pure line selection from the famous Fultz variety. It was discovered by the Ohio Experiment Station in 1905. This variety has demonstrated its yielding ability for the past 18 years in all parts of the state. At least 20 per cent of the wheat acreage in Ohio was planted to Trumbull wheat in the fall of 1923. It is a smooth wheat with a white chaff, stiff strawed and remarkably free from loose smut. It produces a medium sized red berry which yields a fine quality flour. Trumbull wheat flour makes a creamy white loaf of good texture and color. This variety is meeting with favor in all sections of the state and seems to be well adapted to most soil types.

GLADDEN is a pure line selection of the old reliable Gypsy wheat and was originated by the Ohio Experiment Station in 1905. This variety has proven its ability to yield and withstand winter killing. Gladden is a white chaff bearded wheat with a tall stiff straw. The kernels are red, rather small in size, and produce a snow white flour of good quality. It is a few days later maturing than Trumbull. Gladden seems especially well adapted to the clay and clay loam soils of the state.

Prices—Certified Seed Trumbull and Gladden, \$2.25 bu.; 25 bu. lots, \$2.20 (Sacked).

Prices—Other Varieties (Not Certified), \$2.00 bu.; 25 bu. lots, \$1.90 (Sacked).

FULCASTER BEARDED VARIETY—An old time variety that has stood the test for many years and is still without a peer in its class. Heavy yielder, stiff straw, and large, plump berry.

FULTZ SEED WHEAT is one of the most successful and profitable varieties of Smooth Headed Wheat that is grown in the soft winter wheat districts. It is one variety that we can recommend for any section of Kentucky, Tennessee, Southern Indiana and Ohio. The strain, we believe to be reasonably pure. There will always be some mixture as long as we have public threshers. Crops from this stock have produced twenty-five and thirty bushel crops. The heads are reasonably long and always well filled. We urge you to try some of this strain this year.

HARVEST KING OR POOL SMOOTH HEAD—A heavy yielder both in berry and straw. We recommend cutting a little green as it will fall easily and shatter. On ground of medium fertility will well outyield other varieties. It is not recommended for a highly fertilized soil. Wonderful crops have been produced from it each season.

Barley

BARLEY—Bearded—Sow $1\frac{1}{2}$ bu. per acre. Price, \$1.35 per bu.; 5 bu. lots, \$1.50 bu.; 25 bu., \$1.25 bu. sacked.

BARLEY—Beardless—Recommended for heavy yield and feed. Price \$1.75 bu.; 5 bu. lots, \$1.70 bu.; 25 bu. lots, \$1.65 bu. sacked.

Broom Corn

BROOM CORN—Dwarf Oklahoma—A dwarf variety, universally used. Per lb. 25c postpaid; 10 lb., \$1.50; 50 lbs., \$5.00, sacked.

BROOM CORN—Evergreen—Tall variety. Desirable for long staple brooms. Per lb., 25c postpaid; 10 lbs., \$1.50; 50 lbs., \$5.00 sacked.

NEW CROP FANCY ROSEN RYE—Recleaned. Very highly esteemed in some localities. Berry large and plump. Light Green. Sow during September and October one and one fourth bushels per acre. Price, 1 bu., \$1.50; 5 bu. lots, \$1.40; 100 bu. lots, \$1.35; sacked.

NORTHERN RYE NO. 2—Recleaned. 1 bu., \$1.40; 5 bu. lots, \$1.35; 50 bu. lots, \$1.30; sacked.

Sudan Grass

One of the Greatest Drought-Resisting Forage and Fodder Crops Grown.

It belongs to the Sorghum family, only more thrifty, growing from four to seven feet high, with small stems and an abundance of broad leaves. Its root system is similar to that of millet. It stools freely and produces the best hay of any of the Sorghum family. When sown for hay, it is broadcast at the rate of about eight pounds per acre, seeding being done in the spring. It will yield from eight to twelve tons of hay per acre. Per lb., 20c; 10 lbs. at 15c per lb.; postpaid.

Hairy or Sand Vetch

HAIRY or SAND VETCH—This crop cannot be recommended to highly for this section. It can be successfully sown either by itself or with Rye. It will furnish pasturage for the late fall and winter and furnish an abundant crop of hay the following spring. Sow during September and October. 20 lbs. per acre; with Rye 12 to 15 pounds per acre. Price, per lb., 25c; 10 lbs., \$2.00; 100 lbs., \$19.00. All prices for Louisville.

Potatoes

GROWN EXPRESSLY FOR SEED IN MAINE

Peck will plant 100 foot row. Ten bushels cut tubers will plant 1 acre.

The Potato, like the robust-growing vegetable, can be grown with varying success on soils of all kinds and in all conditions of fertility, but the soil best suited to it is a sandy loam. Manure is applied either in rows or hills or broadcast over the hills and ploughed in—the latter in most cases being preferable. In highly enriched soils the plants are more liable to disease than when grown in soil that is naturally good. Plant as early in Spring as the ground can be had in fair working order, in hills or ridges, about 2 feet apart, cover lightly with soil about 4 inches deep.

At the time of going to press with this catalogue the Potato market is so unsettled that prices are subject to change.

We request those desiring Seed Potatoes to write for prices on the quantities wanted and we will give quotations by mail.

Unpriced orders will be filled at the prevailing market prices at time of shipment. Potatoes are forwarded by express or freight as directed, purchaser paying charges.

Du Pont Semesan. Potatoes treated with Semesan will be freer from disease and yield much larger crops.

Second Crop Home Grown Stock

Certified Home Grown Irish Cobblers—These potatoes are field selected and certified by the Department of Agriculture, both while standing in the field and when dug. After the potatoes are sacked in 150 lb. bags only, they are sealed by the Dept. of Agriculture so there can be no mistaken identity. They are put up in 150 lb. bags only and bags cannot be broken. Price per bag: small size, \$3.00; large, \$3.75. Approximate prices only.

Selected Irish Cobbler Seed Potatoes. Pk., 75c; bu., \$2.50; 150 lb. bag, \$6.00. F. O. B. Louisville.

Petoskey Potatoes—A round white potato of the finest cooking quality. Pkt., 75c; bu., \$2.50; 150 lb. bag, \$6.00. F. O. B. Louisville.

Carman—A round, white, fine quality, late potato. Pk., 75c; bu., \$2.50; 150 lb. bag, \$6.00. F. O. B. Louisville.

Northern Grown Seed Potatoes

Irish Cobbler Potatoes—The same type as the home grown stock except that they are grown in Maine or the northern central states. Pk., 80c; bu., \$2.75; 150 lb. bag, \$6.50.

Early Ohio Potatoes—Oval shaped, pink tinted and a good size. Early, Pk., 75c; bu., \$2.50; 150 lb. bag, \$6.00.

Early Rose Potatoes—Long, pink skinned. Very early. Pk., 75c; bu., \$2.25; 150 lb. bag, \$5.50.

Red Triumph Potatoes—Popular in the south, very early in central sections. Only good for very early use. Pk., 80c; bu., \$2.75; 150 lb. bag, \$6.50.

Burbank Potatoes—Oblong, large size, white potatoes. Late variety, excellent for table use. Pk., 75c; bu., \$2.50; 150 lb. bag, \$6.00.

All Potatoes F. O. B. Louisville Only.

Vegetable Plants and Roots

Prices of Vegetable Plants are subject to change at time shipments are made.

Home Grown Cabbage Plants—Smallest amount, 25-35c; 50-60c; 100-75c; 1000-\$6.00; all postpaid.

Southern Grown Cabbage Plants—Smallest amount 100-50c; 500-\$2.50; 1000-\$4.00. Postage or express prepaid from Louisville only.

Shipped by Parcel Post or Express Prepaid from original southern shipping point; 500-\$1.50; 1000-\$2.75; 5000-\$11.00.

Asparagus Roots—See page No. 3

Cauliflower Plants—Snowball. Ready April, May and June. Doz., 35c; 100-\$2.50. Postpaid

Celery—Golden Self-Blanching, White Plume, Winter Queen, or Giant Pascal. Extra strong, transplanted plants. Delivery July and August. 50-40c; 100-75c; 1000-\$7.00. Postpaid.

Chives—Clump: 20c each postpaid.

Egg Plants—Ready in May and June. Grown in pots. Doz., 35c; 100-\$2.50.

Horse Radish Roots, New Bohemian—A new variety which produces roots of enormous size and succeeds in every soil. Doz., 30c; 100-\$2.50.

Grow a crop of the finest onions this year from plants. Onion Sets are offered on page No. 15.

Grow Kwik Onion Plants, Yellow and White Bermudas, Crystal Wax—100 plants 25c; 500-\$1.00; 1000-\$1.85. Express or Postage prepaid from Southern shipping point. If shipped from Louisville, 100 plants, 30c; 500-\$1.25; 1000-\$2.00. Express or postage prepaid.

Peppers—Ready in May and June. (Bell or Bull Nose). Long Red Cayenne. Doz., 35c; 100-\$2.50.

Rhubarb Roots, Victoria—Strong roots. Each, 15c; doz., \$1.50; 100-\$12.00.

Sweet Potato Plants—Ready in June. 100-70c; 1000-\$6.00, approximate prices only.

Tomato Plants—Ready in May and June. Dwarf Champion, Perfection, Ponderosa, Stone, etc. Doz., 30c; 100-\$2.00.

Vegetable Plants will be shipped by express in due time for planting at purchaser's risk only.

We carry a supply at our store in their respective planting seasons.

No plants or perishable goods of any kind will be sent by mail or express C. O. D.

Sorghum or Cane

Honey Dew or Syrup Cane. One of the best sorghums ever used for making sorghum molasses. Makes a clear, fine syrup of rich amber color, which contains very much more saccharine matter than syrups from other cane. 1 lb., 20c; postpaid. All prices include sack. 12 lbs. or pk., 60c; 50 lbs., \$2.00.

Red Top Sorghum. This is one of the best varieties of sorghum, whether for syrup or feeding green or cured for stock. 1 lb., 20c; postpaid. All prices include sacks. 12 lbs. or pk., 60c; 50 lbs., \$2.00.

Early Amber Sorghum. Furnishes a large yield of most nutritious forage, which can be fed either green or cured; and will yield two or three cuttings a year, stooling out thicker each time it is cut. Sow at the rate of one peck per acre in drills, 3½ to 4 feet apart. 1 lb., 20c; postpaid. All prices include sacks. 12 lbs. or pk., 60c; 50 lbs., \$2.00.

Early Orange Sorghum. This variety is a favorite wherever grown. It is similar in growth to Early Amber, but is preferred in Tennessee and Southern States, as it produces a heavier crop. 1 lb., 20c. All prices include sacks. 12 lbs. or pk., 60c; 50 lbs., \$2.00.

Buckwheat

Japanese Buckwheat. Biggest grain money-maker for poor land. An excellent grain, forage and fertilizer crop. Does better than corn on poor land. Sow 1½ bushels per acre broadcast during June, July and August. Bu., \$2.00; 5 bu. lots, \$1.90 per bu., bags included.

Sunflower

Mammoth Russian (Sunflower). Usually a very profitable field crop, the seeds of which are used for bird and poultry foods, and required in enormous quantities. Sunflowers are planted and cultivated about the same as corn. Pkt., 10c; 1 lb., 25c; 5 lbs., \$1.00; postpaid; 100 lbs., \$8.00, not postpaid.

Bird Seeds, Etc.

F. O. B. Louisville, for Postage add 10c per lb.

	Per lb.
Canary—Best Sicily recleaned	2 lb. 35c \$0.20
Canary Seed—Mixed	2 lb. 35c .20
Fish Food	Pkg. 10c
Gravel for Cages	.12
Hemp	1 lb. 15c, 2 lbs. 25c, 5 lbs. 50c
Lettuce Seed	Oz. 5c .30
Canary Tonic Balls	15c each, 2 for 25c

	Per lb.
Millet, American	4 lbs. 35c, \$0.08
Rape	2 lbs. 25c. .15
Sunflower Seed—For parrots,	2lbs. 25c .15
Cuttlefish Bone	.60
Thistle Seed	.40

Prices of Bird Seed are subject to change of Market Values throughout the year.

Poultry Supplies

Ask for Price List of Supplies, Feeds, etc. List regularly.

All Incubators Are Hot Water Heated

Queen's Incubator is easily regulated and stays regulated with the least possible attention. Any one desiring an absolutely dependable incubator of good capacity will make no mistake in selecting the Queen, for it is all that its name implies. Prices subject to market changes.

No.	Capacity	Price
1	85 egg	\$27.50
2	135 egg	37.50
3	180 egg	44.50
4	275 egg	57.75
5	400 egg	68.00

F. O. B. Louisville.

Write for Illustrated Catalog.

STYLE K

20	70 egg	16.50
21	130 egg	27.50
22	220 egg	36.75

QUEEN COLONY BROODERS

Self feeding, self regulating. Burns all kinds of fuel. Galvanized steel hoverer complete with rope and pulley for attaching. Takes 4 inch pipe.

Nos.	0	1	2
Capacity Chicks	450	600	1200
Diam. of Hoverer	18 in.	23 in.	26 in.
Wt. each lb.	76	80	102
Price each	\$16.50	\$21.50	\$26.50

QUEEN OIL HEATED

Nos.	300	600	1000
Capacity Chicks	300	600	1000
Wt. each lb.	18	27	38
Price each	\$17.50	\$20.00	\$22.50

Sodium Flouride Compound. For killing lice and roaches 30c and 60c size.

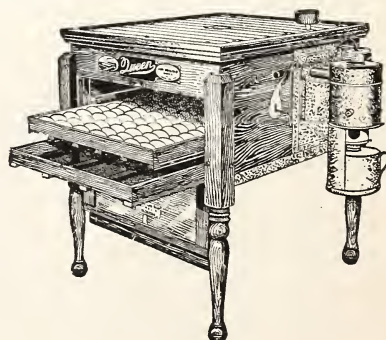
Burbon Insecticide. An Inhalant kills lice. For roup, colds and gapes, \$1.25.

Burbon Poultry Remedy (liquid) for cholera, limberneck, roup, gapes, diarrhoea, etc. 60c and \$1.00 and \$1.25 size.

Cholering Tablets For cholera, limberneck, and diarrhoea, 50c.

Germo Disinfectant. 1 gal., \$1.50; ½ gal., 90c; ¼ gal., 60c.

Bourbon Egg Producer. 1½ lb. carton, 30c pails.



Fruit Trees and Small Fruit

THE ORCHARD—A necessary adjunct to a small place or estate. A pleasure and a joy to the small city lot. For a large orchard, select a site on high ground so as to escape the frequent late frosts which prove injurious in the lowland. Soil fertilization and a thorough cultivation while the trees are young, with a frequent cover crop such as Cow Peas, Soy Beans and the like, are recommended. These cover crops add fertilization to the soil.

It is not adverse to apply commercial fertilizer about the ground immediately over the roots of the small trees.

PRUNING—Apples, Plums, Cherries, and Pear follow the same method. See illustration on this page. Cut all side branches to 6 or 8 inch stubs and never leave more than 5 to a tree. See that they are equally distributed around the trunk. One Year trees are simply headed to whatever height the commercial orchardist is desired. The above in formation is intended more for the amateur than the experienced grower.

HINTS ON FRUIT CULTURE—It is a very important item in growing a successful orchard, to properly fertilize the small tree. Peach trees, being short lived, should be set so as to arrange an additional planting of Peach Trees after four or five years. This will insure a continuous line of peaches. It is just as important to care for an orchard as it is any other crop. It cannot be neglected and a success maintained.

In Apples, we recommend only a few varieties, for an orchard. These properly taken care of will bring in more revenue than a large variety of different kinds. Storing and sorting of many varieties is a tedious and laborous job. Where space is limited, we recommend the planting of rapidly maturing fruits, such as peaches and plums, between those which bear later such

as apples and pears. These peach and plum trees can be removed when the apple and pear trees demand more space. A great many successful orchardists would not use pear trees among their other fruits as they are subject to blight and various diseases which are easily transmitted to other fruits. We ourselves, would always recommend planting pear trees to themselves and away from other fruit trees where they can receive proper attention when needed. Spraying is a very important part and one which should be very closely watched and carefully done. Never prune a tree except when it is dormant. By this we mean that pruning should be done after they have dropped their leaves in the fall and before the sap starts up in the spring. Cherries do well only on well drained ground and will not last long under moist conditions. Always keep the fruit tree growing. It has been conclusively proven that a vigorous tree is less likely to be injured by frost than those which are weak and unhealthy. In spraying, that part of the mixture which falls on the ground is not wasted as a great many insects and diseases are harbored in the soil beneath the tree.

Grapes are the surest of all fruits, and better adapted to a variety of soils. Air drainage on hill sides and water drainage are the necessary requirements for a successful vineyard. Sunshine is one of the greatest requisites for the vineyard as well as a sharp pair of pruning shears to be early in spring.

The prices of nursery stock include all packing with the exception of Evergreens. Evergreen on account of their weight, will have to be jacked in strong boxes. These boxes we charge at cost.

All nursery stock is sold F. O. B. Louisville. Express, freight or postage must be paid by purchaser. No nursery stock sent C. O. D.

Distance for Planting

Apples35x35 ft. Pears20x20 ft.
Cherries, Sour 15x15 ft. Peaches15x15 ft.
Cherries, Sweet 20x20 ft. Plums20x20 ft.



A three-year-old, two-year-old, and a one-year-old apple tree before pruning and after pruning.

Apples

Prices All Apples: 2-year, 4 to 6 ft., 55c each.

Early Harvest. Medium size, clear golden yellow. Juicy, crisp and good flavor. Very early.

Red Astrachan Early. Large, yellow, streaked with crimson.

Yellow Transparent. Large, round and clear pale yellow skin. Early bearer and very prolific.

Delicious. Fruit large, nearly covered with brilliant dark red; flesh fine grained, crisp and melting, juicy, with a delightful aroma.

Grimes' Golden Pippin. Fruit medium size, yellowish, slightly russeted, fine grained, juicy, rich and spicy.

Jonathan. Yellow ground almost covered with lively red stripes deepening into dark red in the sun. Flesh white, very tender and juicy, with a vinous flavor.

Stayman's Winesap. Greenish yellow, mostly covered and indistinctly splashed and mixed with dull dark red with medium numerous gray spots; flesh yellow, firm, tender, juicy, mild sub-acid, aromatic.

Winesap. Medium to large, red nearly all over, firm, sub-acid, an excellent keeper.

The Cherry A Fruit of Many Uses

The Cherry succeeds only on the drier soils, and not on the heavier types required by other fruits. The sour and sub-acid group succeed admirably here. As they bear early, abundantly and regularly they should be in every orchard and rear lawn.

The sweet cherries are uniformly failures on our soil. They grow luxuriantly for a few years, make a nice looking tree but never seem to be productive nor permanent.

At Planting Time. Shorten in the branches about halfway, leaving 4 to 7 to a tree and be very sure to tread the soil firmly about the roots. We have more complaints of cherries failing than all the rest of the fruit varieties. Be sure to wrap stems and give them a little extra attention and you are more likely to have good results.

Price of All Cherry Trees: Sour Varieties. 2-year, 70c each; Sweet Varieties, 2-year, 80c each.

Black Tartarian (Sweet). Very large, purplish black, half tender, mild flavor and pleasant. Last of June and beginning of July.

Montmorency. Large, rich acid. A week or ten days later than Early Richmond.

Early Richmond (Early May or Donna Maria) (Sour). Medium size, dark red, flesh tender juicy, rich, somewhat acid. Last of May to first of July.

Governor Wood (Sweet). Fruit large, rounded heart-shaped, light yellow, shaded with bright red, tender, juicy, rich and delicious. End of June.

Windsor (Sweet). Fruit large, liver colored, resembling the Black Heart, but quite distinct; ripens a few days earlier than that variety.

Peaches

Are Profitable and Popular

The peach is the quickest maturing of all the fruit trees, frequently setting the fruit the second year after planting. It can be had in wide variety and from the middle of June until frost. The variety list that follows covers the season "like a blanket." Try a few of our trees and you will get results that will please.

Light well drained soils, preferably a sandy loam seems to produce the best fruit.

In Planting. Prune severely, cutting away all the side branches to one inch stubs and heading it in to make a well balanced tree. Looks like you are ruining the tree but it is the best way.

After Care. The real enemy of the peach tree is the Peach Borer. It is a grub that burrows in the bark of the tree right below the ground line and if left to hibernate here will in a year or so completely girdle the tree causing it to die. There is a chemical used called para-dichloro-benzine for destroying it. Directions given on the package. However, the simplest way is to scrape away the soil from the trunk



Early Richmond Cherry

of the tree with a hoe, scrape off the "gum" and prod or clean out the runs with a knife blade. Dig out the borer in September or October.

Prices All Peaches: 2-year, 5 to 6 ft., 50c each.

Mayflower (Semi-Cling). The earliest of all Peaches; red all over; medium size, slightly oblong and the beautiful solid red color makes it sell well on the market.

Greensboro (Freestone). Fruit large, looks very much like a yellow Peach, but flesh is white, fine flavor, very juicy when fully ripe; tough thin skin, peels without the least trouble.

Carman (Freestone). Creamy white or pale yellow, with deep blush; skin very tough; flesh tender and of fine flavor; juicy.

Crawford's Late (Freestone). Large, yellow with red cheeks, fine quality.

Elberta (Freestone). Fruit large, yellow, with red cheeks; flesh yellow, firm, juicy, fine quality.

J. H. Hale (Freestone). Fruit large, globular. Color deep golden yellow overlaid with bright carmine. Flesh solid, deep yellow, excellent flavor. Skin smooth.

Heath Cling. Large oblong shape, creamy white slightly tinged red. Very tender, juicy and melting. Rich flavor.

Pears

The Delightful Eating Fruit

The pear is perhaps one of the most delicious of the fruits but is difficult to grow. The plantings are becoming more and more limited each year.

To improve the quality of the fruit, house ripening, that is picking the fruit just before it is ripe and spreading on a floor to ripen, is the best way to get high quality fruit. Left on the trees to mature it seldom has good flavor.

Planting. Plant just as you would any other fruit tree and follow pruning directions given for the apple.

After Care. Don't stimulate too much growth as this seems to invite blight. If, while dormant, you will apply some of the oil sprays, you will in a large measure control the blight that is so bad on it. After it gets the blight, the knife is the only treatment and you should cut beyond the injured parts. Burn these and disinfect the tools.

Pears require little pruning other than taking out the inside branches that cross.

The quality of the European (E) variety is usually very high, while the Japanese (J) varieties are usually more productive.

Prices: 2 yr. 80c each.

PEARS—

Kieffer. Large yellow and Crimson.

Bartlett. Large, yellow very delicious.

Seckel. Small. Sugar Pear.

Plums

For Market and Home Use

Plant the Plum on rich ground and it will reward you. No other fruit is quite as productive. The fruit should be thinned as if left too thick it will rot, and the fruit will be small. The branches break badly under a heavy load. We have three classes the Europeans (E) which are best in quality but uncertain. The American (A) which are hardy and productive and the Japanese (J) that bear early and overload with fruit.

Planting. Plant and prune as you do other fruit. (See page 53).

After Care. Thin the fruit as mentioned and spray as directed in our calendar on page for both the rot and curculio (which are the only real enemies) virtually insures you abundant fruit.

The Borer as described under Peach Trees, is another enemy and should be treated as directed there.

Prices All Plums: 2-year, 65c.

Abundance (Botan). Large to very large, oblong, amber, nearly covered with bright red and overspread with a thick bloom; flesh orange-yellow, juicy, melting and of delicious sweetness, stone small and flesh parts readily from it.

Bradshaw. A very large and fine early Plum, dark violet-red, juicy and good.

Burbank. Large Reddish Purple Cling. This is because it is practically curculio proof, and is perfectly hardy. Will keep fully two weeks in perfect condition after ripening.

Small Fruits

Blackberries

Prices Blackberries: 75c per doz., \$5.00 per 100.

Eldora. Large, sweet and a general favorite. Extremely hardy. A late variety.

Early Harvest. The standard early sort. Ripe before raspberries are gone

Grapes

Prices All Grapes: 2-yr., 25c each. Postage can follow C. O. D. if desired.

The culture of the Grape within the past few years has attracted a great deal of attention throughout the United States. Many vineyards of large extent have been and are still being planted in various parts of the country, and are proving a great pecuniary success. While some make this branch of horticulture a specialty from pecuniary motives, everyone owning a garden spot should devote a portion of it to a few of the best varieties.

Catawba. Well known as the great wine Grape of Ohio, Kentucky, etc. Bunches large and loose, berries large, of coppery red color, becoming purplish when well ripened.

Concord. It is of very large size, both of bunch and berry, quality good, color black, covered with a thick, bluish bloom, flesh moderately juicy, rather buttery, very sweet.

Delaware. A small. Grape of exceedingly fine flavor. Dark wine colored berries in small compact bunches.

Moore's Early. Clusters of medium size; berries large, round, black with heavy blue bloom.

Raspberries

For Every Garden Purpose

Loose soils produce the best raspberries. Partial shade is no hindrance to productiveness, as the natural habitat of the raspberry is in lower ground, filled with leaf mold and partly shaded. For this reason along higher fences and in between the young orchard trees, raspberries are likely to thrive.

Planting. Get your ground in good condition, making it loose and plant in a furrow made with one horse plow. Space 2½ to 3 feet apart in rows six or seven feet wide.

Allow not more than 4 or 5 good canes to develop to each plant and pinch out the tops of these so as to cause the canes to branch. If you train on trellis after the Northern style, allow three or four canes only to develop. Remove old canes when they are through bearing.

Prices All Raspberries: 75c per doz.; \$5.00 per 100.

St. Regis. The Everbearing Red Raspberry. Large, brilliant crimson, juicy and of high quality. Produces a heavy main crop and continues to produce until late August. A very profitable sort and the only successful ever-bearer.

Cuthbert. Medium to large red.

Kansas. An old standard black variety. Vigorous canes. Good yielder.

Currants

The Bountiful Producer

Postage can be followed C. O. D. if desired.
Does best in the rich soils. When properly grown yields bountiful returns.

PLANTING—Set 3 to 5 feet apart and prune severely, that is, cut the canes in half so as to induce low branching.

Red Dutch—By far the most productive of the many kinds we have tested. Color of fruit a brilliant red, large berries borne in long clusters along the stems and quality is excellent. The white varieties have proven worthless in this climate.

Prices—Each, \$.25; 5 for \$1.00; 10 for \$20.00

Gooseberries

Postage can be followed C. O. D. if desired.

Very productive and always in demand. When allowed to ripen they lose much of the sourness attributed to them. Fine for making pies and can be profitably canned.

The use of gooseberries and other small fruits will give a succession of fruit crops so desirable to the home owner or commercial grower.

PLANTING—Space 4 to 6 feet apart.

Prune tops back two-thirds and work soil well into the roots.

Downing—Fruit almost round, large, and juicy. Best quality. Whitish green color. Does especially well in the North.

Houghton—Round, dark red when ripe; juicy, sweet. Thin, smooth skin. Medium size. The bush is hardy, very productive, free from mildew, and the best for general purpose in this section.

Prices: each, \$.25; 5 for \$1.00; 10 or \$2.00.



Gooseberries

Strawberries

Always Productive, Always in Demand

We make the growing of strawberry plants a specialty and as they are planted in the spring only, we issue at that time an annual catalog, devoted principally to the description of varieties and complete cultural directions. The shallow root of the strawberry does not permit planting in the fall, as the alternate freezing and thawing or expansion and settling of the surface soils throughout our falls, winters and early springs will expose the roots and cause the loss of the plants. We hardly expect to have our usual lot of plants this year owing to lateness of planting in the spring.

Strawberry Plants in the following varieties:

Varieties marked (S) are Staminate or self Pollenizer. (P) are Pistillate and should be pollenized with a staminate.

EARLY—

Missionary (S) Premier (S)
Excelsior (S)
Mitchels Early (S)

MID-SEASON—

Dunlap (S) Dr. Burrill (S) Haverland (P)
Gibson (S) Warfield (P) Lady Cornelle (S)
Klondyke (S) Cooper (S) Lady Thompson (S)

LATE—

Gandy (S) Brandywine (S)
Big Joe (S) Aroma (S)
Sample (P)

1000 one variety \$7.00; 500 on variety \$4.00; 400 one variety \$3.30; 300 one variety \$2.60; 200 one variety \$1.90; 100 one variety \$1.00; 75 one variety \$.90; 50 one variety \$.70; 25 one variety \$.40; 12 one variety \$.30.

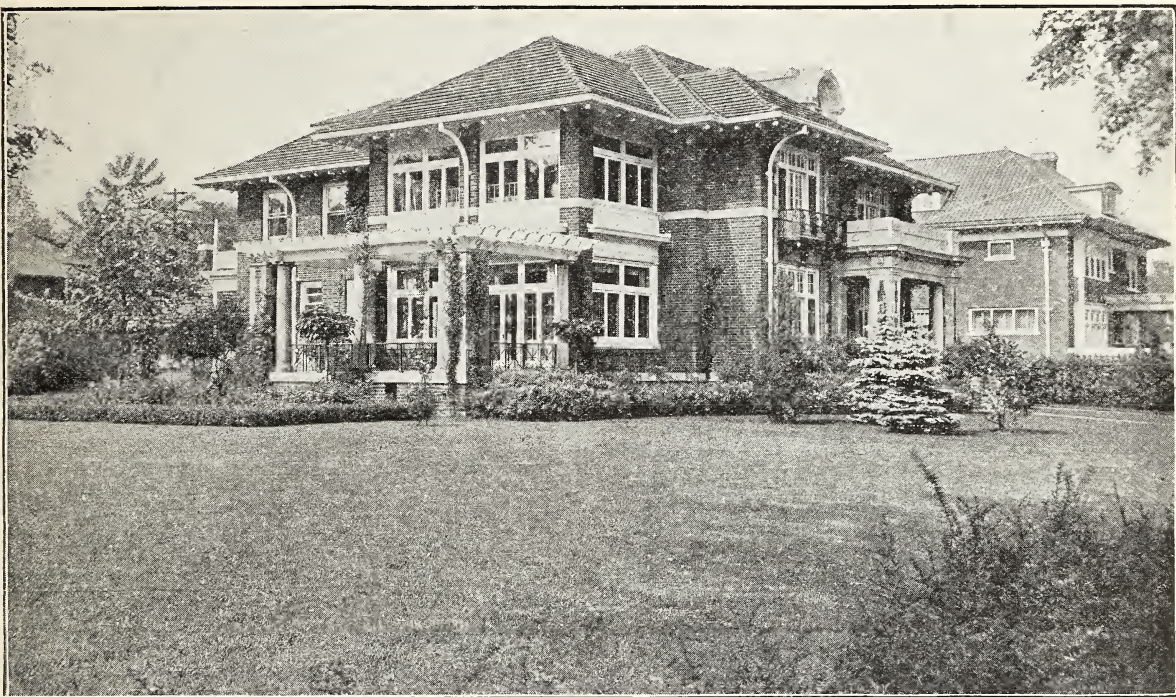
CHESAPEAKE—The extra fine Strawberry, the best morsel man ever put in his mouth, has the real Strawberry flavor, root system and plants very large, fruit large dark red, very firm. Very fine for a novelty in the home garden.

100 plants \$2.00; 50 plants \$1.30; 25 plants 70c.

FALL OR EVERBEARING STRAWBERRIES—

Varieties, Progressive and Champion. 1000 one variety \$16.00; 500 one variety \$9.00; 400 one variety \$7.50; 300 one variety \$6.00; 200 one variety \$4.00; 100 one variety \$2.50; 75 one variety \$1.70; 50 one variety \$1.30; 25 one variety 80c; 12 one variety 50c.

MASTODON—The new Everbearing Strawberry of which wonderful things are claimed. Supply limited. 6 plants 50c; 12 plants \$1.00; 25 plants \$1.50; 50 plants \$2.50; 75 plants \$3.50; 100 plants \$4.50; 500 plants \$20.00; 1,000 plants \$36.00.



Beginners Hints for Landscape Gardening—The home grounds should be devided into three principal groups. The public area, or that which the public passes by and enjoys; the service area or that which embodies utilitarian usage and the private area which the home owner himself has set aside for his own particular privacy and enjoyment. View the entrance to your estate from all angles for the purpose of improving that portion which catches your first glance as it would a strangers. The first impression one gets in approaching a home is the layout which meets the eye upon entering. Plant this portion with a great deal of care and thought. Don't overplant. Allow ample space for development. Plants which are crowded never develop uniformly and there is nothing prettier than a well developed, well formed planting of any kind. A misplaced tree or shrub, stands out more prominently and attracts more attention than the balance of the planting, no matter how beautiful it may be. Plant to conform with the purpose you have in mind, namely; shade, screens, service or beauty. Curves are always more pleasing than straight lines.

A garden hose or a rope to form a diagram on the plot to be planted, will set out the appearance of the bed when planted, better than anything else we know of. Avoid abrupt change in short spaces. Not only are gentle slopes more pleasing to the eye but they are easier to maintain. They also lend distance to the area so treated.

In foundation plantings use a tall plant at either side to accentuate the entrance and a few plants at each corner to soften the angle. Then a line across the face of the building, grouping some about your "King Plants".

Centers of lawns open, heavy background or skyline, substantial border planting with sufficient height here and there to break the monotony of even height; grouping to either screen objectionable views or accentuate good vistas; foundation plantings to soften the angles of the home and specimens properly grouped for framing, shade and variety is the analysis of every pleasing lawn picture.

Avoid too much variety. Choose fewer kinds and concentrate on them, as the effect is much better where mass planting is used rather than one here and there of many different plants. Avoid "salt and pepper" planting, in other words.

Don't overlook the value of lawn furniture or garden accessories as you choose to call them, that is sun dials, seats, summer houses, pergolas and arches. They add an attractive feature.

Garages with doors opening to the streets, are necessities on very small lots only. Setting the garage back a few feet from the property line and facing the door to your side line instead of front will absolutey hide the continuous "eyesore" of gaping doors and unsightly garage interiors. It requires very little more material to make a road to service a garage turning space as suggested above. Try it with a car and see how easy it works.

Pruning often acts as a tonic for sick plants. Don't be afraid to trim them if they are unsightly, misshapen, sluggish or non-productive.

Success is not at all luck, but labor. You can't promise plants attention and make them grow; you have to give them attention if you wish them to succeed.

How to Plant Shrubs

The actual planting operation is similar to that suggested for other nursery stock. Stake out your holes, remembering that it is easier to move a stake than a shrub after it is planted. In other words get your spacing right. A good rule to follow is—a shrub will spread approximately as wide as it grows tall—in other words, if the shrub matures at 4 feet, it will spread that much.

In planting it is best to spade up the bed, rather than dig holes in the sod. Also in spacing plants in a bed don't set them out like "bottles in a row," but irregular or alternating. When planting along the foundation wall keep eighteen to twenty-four inches away from the masonry and even wider if the eaves are overhanging.

Dig the holes large enough to take the roots without crowding. Deep enough to permit planting an inch lower than they stood in the nursery row.

Now don't simply shovel in the soil but pulverize it and add a little at a time, shaking the plants so the soil will fall in between the roots. Tread or tamp as you fill until near the top. Apply the last two inches loose and be sure that no mound of soil is left about the plant.

Prune severely—that is, take off about half or at least reduce the top one-third. "Prune them until it hurts."

Water as needed, giving plenty at a time. Surface watering is not of much value. Cultivate new set plants frequently.

At planting time, it is well to arrange the shrubs according to their future growth. The large growing shrubs should go to the back of the bed, and, of course, have more space between them than the smaller growing shrubs. The smaller growing shrubs should be worked into the planting in masses so as to obtain variety and interest in the skyline of the planting. Small growing shrubs planted in front of the taller growing shrubs will clothe the bottom branches of the tall shrubs and "face" the border, that is, give it foliage clear to the ground.

It should be remembered that the greatest beauty from shrubs is obtained in allowing them to develop to their natural graceful form and shape. Plant low growing shrubs rather than tall ones in front of low windows.

Height at maturity, color and month of bloom are all indicated in the description of each variety.

Reference List of Shrubs

FOR SCREEN OR HEIGHT

Tamarix	Viburnums
Privets	Mock Orange
Bush Honeysuckles	Deutzias

FOR DRY PLACES

Barberry	Privets
Honeysuckles	Deutzia

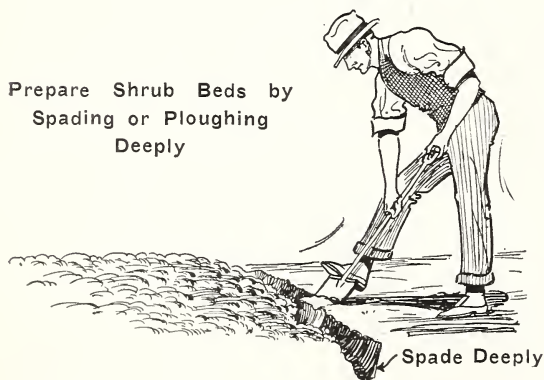
FOR PARTIAL SHADE

Barberries	Weigelas
Dogwoods	Kerria
Privets	Snowball
Snowberry	Rhodotypos
Golden Bell	Calycanthus

FOR MOIST PLACES

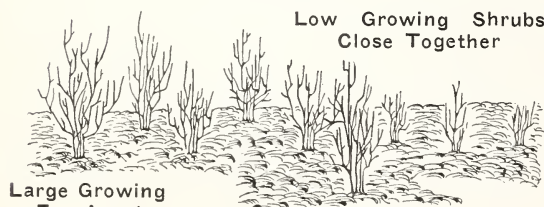
Tamarix	Golden Bell
Snowball	Douglas Spirea
Red Twig Dogwood	

Prepare Shrub Beds by
Spading or Ploughing
Deeply



SPACING

Low Growing Shrubs
Close Together



Large Growing
Far Apart

Fifty-eight

Please note that the prices below are based upon actual values. Shape, buds and roots are what you want, not merely height. We will send out only plants that ought to give satisfaction.

DECIDUOUS SHRUBS

Abelia. *A. grandiflora* (F). 3-4 ft., white. July to September. This is a comparatively new shrub. It is one of the most attractive of the broad-leaved evergreen shrubs. Prices—3-4 ft., \$1.00 each; 5 for \$4.50; 2-3 ft., 90c each; 5 for \$4.00.

Almond. Pink-flowering Almond. *Prunus glabra albiplena*. (F). 3-4 ft. Rose-pink. April. Very attractive shrub. The plants are usually thickly studded with double pink flowers of medium size from base to tip of branch. The plants are usually propagated on plum or peach stock as it belongs to this family and should be planted deeper than ordinarily advised for other shrubs. Prices—2-3 ft., \$1.00 each; 5 for \$4.50; 1-2 ft., 90c each; 5 for \$4.00.

Aralia. *Acanthopanax pentaphyllum*. Five-leaved Aralia. 6-8 ft. Yellow. June. This is an unusually hardy shrub, thriving in very adverse soil and city conditions. It will grow under the shade of trees where all else fails. Prices 4-5 ft., 75c each; 5 for \$3.50; 3-4 ft., 60c; 5 for \$2.50.

Flowering and Foliage Shrubs (Continued)

ALTHAEA (Rose of Sharon). Strong, erect, growing shrub of symmetrical habit. Very desirable for flowering all Summer.

Double Pink, Purple, Rose, or White.

2 to 3 ft.\$0.50 each, \$4.50 for 10
3 to 4 ft.60 each, 5.50 for 10

AZALEA amoena. Evergreen shrub of bushy habit and perfect hardiness. Flowers are of bright rosy purple.

12 to 15 in.\$2.50 each
15 to 20 in. 4.00 each

Specimen plants\$5.00 to 10.00 each

hinodegiri. A bright scarlet form of the well-known and charming *Azalea amoena*.

12 to 15 in.\$3.50 each
15 to 18 in. 5.00 each

BENZONIA aestivale (Spicewood). Tall spreading bush with red berries in Summer and Autumn.

2 to 3 ft.60c each, \$5.00 for 10
3 to 4 ft.75c each, 6.00 for 10

BERBERIS thunbergi (Barberry). A beautiful Japan, variety of dwarf habit. Small foliage, changing to beautiful red in Autumn.

1½ to 2 ft.50c each
2 to 3 ft.60c each

New Red Leaved Barberry. Foliage rich lustrous bronzy red, similar to the richest red leaved Japanese Maple.

12 to 15 in.\$1.50

BUDDLEIA magnifica (Butterfly Bush). Purple-lilac flowers borne in long, graceful panicles, commencing to open in Midsummer and continuing until frost.

2 to 3 ft.50c each

CALYCANTHUS floridus (Sweet Scented Shrub).

2 to 3 ft.60c each
3 to 4 ft.75c each

CLETHRA alnifolia (Sweet Pepper Bush).

2½ to 3 ft.75c each, \$7.00 for 10
3 to 4 ft.\$1.00 each, 9.00 for 10

CYDONIA japonica (Japan Quince).

1½ to 2 ft.75c each, \$6.50 for 10

Deutzia gracilis. A fine hardy shrub, forming a round and compact mass of white in June.

1 to 1½ ft.50c each, \$4.50 for 10
1½ to 2 ft.60c each, 5.50 for 10

Pride of Rochester. Double white flowers, tinged pink.

2 to 3 ft.50c each, \$4.50 for 10
3 to 4 ft.60c each, 5.50 for 10

EUONYMUS americana (Strawberry Bush) (Spindle Tree, or Burning Bush). An erect growing shrub with slender, green branches.

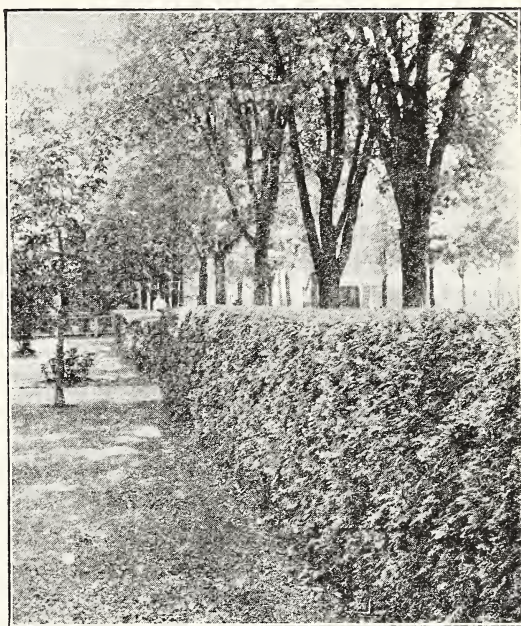
2 to 3 ft.50c each, \$4.50 for 10
3 to 4 ft.60c each, 5.50 for 10

FORSYTHIA Fortunei (Golden Bell). Bark bright yellow; blooms in dense masses of golden flowers in April.

suspensa. (Weeping Golden Bell). Somewhat pendulous in habit.

viridissima. Blooms early in Spring, before the leaves appear.

2 to 3 ft.50c each, \$4.50 for 10
3 to 4 ft.60c each, 5.50 for 10
4 to 5 ft.70c each, 6.00 for 10



Hedges are in good taste in varied shapes and locations

HALESIA tetraptera (Silver Bell) (Snowdrop Tree). A beautiful large shrub, with pretty, white, bell-shaped flowers.

2 to 3 ft.75c each
3 to 4 ft.\$1.00 each

HYDRANGEA arborescens grandiflora (Hills of Snow). Foliage green, bluish underneath. Flowers June and July.

2 to 3 ft.60c each
3 to 4 ft.75c each

paniculata grandiflora. This is a grand plant, showy and attractive, lasting in bloom for months.

2 to 3 ft.60c each, \$5.50 for 10
3 to 4 ft.75c each, 7.00 for 10
Standards, 3 yr. head\$2.50 each

LIGUSTRUM amurense (Japanese Privet). Large, oblong, glossy green foliage, half evergreen; grows to 15 ft.

18 to 2420c each, \$1.80 for 10
3 to 4 ft.30c each, 2.75 for 10

ibota (New Japanese Privet). Large, glossy, distinct foliage.

18 to 2440c each, \$3.50 for 10
3 to 4 ft.60c each, 5.50 for 10

ovalifolium (California Privet). Vigorous shrub of excellent habit.

18 to 2410c each, \$0.95 for 10
2 to 3 ft.12c each, 1.10 for 10
3 to 4 ft.15c each, 1.30 for 10
4 to 5 ft. Ball75c each, 7.00 for 10

Globe-shaped, clipped, 2½ ft.\$1.00 each
3 ft. 1.50 each
3½ ft. 2.00 each

Flowering and Foliage Shrubs—(Continued)

- Regelianum.** Splendid dense horizontal growing shrub.
 1½ to 2 ft.40c each, \$3.00 for 10
 2 to 2½ ft.50c each, 4.00 for 10
- LILACS.** *Syringa persica.* Purple flowers.
 2 to 3 ft.\$0.75 each
 3 to 4 ft. 1.00 each
- vulgaris.* The common purple species.
 2 to 3 ft.\$0.75 each
 3 to 4 ft. 1.00 each
- vulgaris alba.* Fragrant single white.
 2 to 3 ft.\$0.75 each
 3 to 4 ft. 1.00 each
- French Hybrids.** Own root stock. Red, white and Blue.
 2 to 3 ft.\$1.00 each
- LONICERA** (Bush or Upright Honeysuckle).
fragrantissima (Fragrant Upright Honeysuckle). Graceful spreading habit, rich dark green foliage; fragrant flowers.
tatarica (Tartarian Honeysuckle). Pink flowers.
—alba (White Tartarian Honeysuckle).
 Prices of all varieties.
 2 to 3 ft.50c each, \$4.50 for 10
 3 to 4 ft.60c each, 5.50 for 10
- MALUS Scheideckeri** (Double Flowering Crab). Has fine double flowers of a light rose color.
 3 to 4 ft.\$1.50 each
 4 to 5 ft. 2.00 each
 5 to 6 ft. 2.50 each
- PHILADELPHUS coronarius** (Common Mock Orange). Flowers pure white and very fragrant. Blooms in June.
 2 to 3 ft.50c each, \$4.50 for 10
 3 to 4 ft.60c each, 5.50 for 10
- RHODOTYPOS kerriodes** (White Kerria). Showy white flowers in May followed by black berries that last all Winter.
 18 to 24 in.40c each, \$3.50 for 10
 2 to 3 ft.50c each, 4.50 for 10
- RHUS cotinus** (Sumach) (Purple Fringe, or Smoke Tree). A curious, large growing shrub, forming broad, round headed bushes.
 18 to 24 in.30c each, \$2.50 for 10
 2 to 3 ft.40c each, 3.50 for 10
- RUBUS odoratus** (Flowering Raspberry). Clusters of beautiful pink or purple fragrant blossoms all Summer.
 2 to 3 ft.60c each
 3 to 4 ft.75c each
- SAMBUCUS** (Elder). These are large, showy shrubs, ornamental in flower, fruit and foliage; of easy cultivation.
nigra aurea. Golden yellow foliage.
 2 to 3 ft.50c each, \$4.50 for 10
 3 to 4 ft.60c each, 5.50 for 10
- SUMAC.** *Shining.* *Rhus copallina.* 7-10 ft. The native variety that colors so wonderfully in the fall. It is not as robust a grower as some of the others but because of its glossy foliage in the summer, and unusual brilliance is most desirable.
Sumac, Cut-leaved. *R. glabra Laciniata.* 8-10 ft. The foliage of this is very fine cut and fern-like which gives it a tropical appearance. It colors yellow and orange in the fall. Prices—5-6 ft., 75c each; 5 for \$3.50; 4-5 ft., 60c each; 5 for \$2.50; 3-4 ft., 50c each; 5 for \$2.00.
Sumac, Staghorn. *R. typhina.* 10-12 ft. A large shrub or tree much used in landscape background work. Brilliant red foliage in the fall. Prices—5-6 ft., 75c each; 5 for \$3.50; 4-5 ft., 60c each; 5 for \$2.50; 3-4 ft., 50c each; 5 for \$2.00.
- SPIRAEA Bumalda** Very handsome; rose colored flowers. Dwarf.
 18 in.50c each, \$4.50 for 10
Anthony Waterer. Grows dwarf. The brightest colored of all the Spiraeas.
 1½ to 2 ft.60c each
 2 to 3 ft.75c each
prunifolia fl. pl. Small, double, white flowers, borne close to the branches.
 2 to 3 ft.50c each
 3 to 4 ft.60c each
- Thunbergii.* Pure white flowers. Snow Garland.
 18 to 24 in.50c each
 2 to 3 ft.60c each
- Vanhoutei* (Bridal Wreath). Pure white flowers. Tall.
 2 to 3 ft.50c each
 3 to 4 ft.75c each
- TAMARIX africana** (Tamarisk). Strong, growing shrubs, with feather foliage and small, delicate flowers.
 2 to 3 ft.50c each
 3 to 4 ft.60c each
- VIBURNUM.** A very popular shrub, known as the Snowball.
dentatum. Curious dentated leaves and greenish white flowers; pretty berries in Autumn.
 2 to 3 ft.50c each, \$4.50 for 10
 3 to 4 ft.75c each, 7.00 for 10
Lantana. The large white flower clusters open in May and are followed by red fruits.
 2 to 3 ft.60c each
 3 to 4 ft.75c each
- Viburnum.* *Tomentosum* single Japanese Snowball. White flowers.
 2 to 3 ft.60c each
- WEIGELA** (Diervilla). A valuable, bold, graceful shrub. Flowers trumpet-shaped, varying in color from pure white to dark red.
candida. Flowers pure white; strong grower.
 2 to 3 ft.50c each
 3 to 4 ft.60c each
- Eva Rathke.* Rich reddish purple.
 1½ to 2 ft.50c each
 2 to 2½ ft.60c each
- rosea.* Handsome rose-colored flowers.
 2 to 3 ft.50c each
 3 to 4 ft.60c each

Evergreens

How to Plant — How to Care For

Evergreens as the name implies, are to a certain extent, continuously growing. There are periods in this growth when they are not taking as much sap from the ground as they do in other periods. For this reason it is advisable that all Evergreens should be dug in the nursery with a ball of earth around the roots, properly burlapped to prevent breaking and should be planted in this condition by amateurs.

The burlap after being placed in the soil, unless it should be saturated with grease, decays very easily and does not retard the growth of the plant. Dig the holes larger and deeper than the ball of earth around the roots of the tree would require. After the hole has been dug, it is advisable to fill in some rich loose earth in the bottom of the hole. Then place the tree into the hole, seeing that it is planted at least two or three inches than the nursery ground mark would show on the trunk of the tree. Fill in around the tree until the hole is about half full. If water is available, it is advisable then to soak thoroughly the dirt which has already been placed in the hole and allow it to settle. After this settling has been accomplished, fill in the balance of the hole and press down with the foot or a stamp firmly, the dry soil.

Mulching with straw, manure or grass under ordinary conditions, is a fine feature. If none of these is available keeping the ground finely pulverized around the tree during the hot weather will act as a mulch.

If they should be watered, it is advisable to soak them. By this we mean that the hose should be allowed to run on the soil around the tree an hour or two. Do not allow the force to be sufficiently strong that the water will run off and not benefit the roots of the tree. Whatever the ground will absorb during this period will be sufficient. Never do this during the heat of the day.

When plants are first set out, it is not advisable to prune them back. Allow them to have at

least one years' growth before pruning and then prune to suit your taste.

It is very necessary that you take care of evergreens or any other kind of plant after it has been put out. Anyone who thinks that no care is required after planting will be sorely disappointed.

Evergreens should never be placed where they will be denied the benefit of seasonable rains, sunshine and ventilation. Placing them too close together will cause them to burn or planting too close to a foundation brings on the same result.

It is always advisable to set them far enough apart and away from the walls to allow them to develop into perfect specimens which they will do if given a chance.

Evergreens are not very susceptible to diseases or the ravages of insects as probably not more than two insects which we know of today are enemies of the Evergreen. Of these two, the red spider is probably the worst. This is a very small insect, hardly discernable with the naked eye. It can be easily detected however, by holding a sheet of white paper under the affected parts and then giving the limb a sharp blow with the hand causing the spiders to drop off on the paper. When infected in this way, the plants become a reddish brown and have the appearance of being dead.*

Bagworm is another enemy of the Evergreen. These are very easily noticed and can be picked off before they become too numerous. They hang like pendants from the smaller and softer limbs. Spraying with Volck, Arsenate of Lead and one or two other of the insecticides commonly known, will rid the evergreen of this pest.

*The red spider can be permanently destroyed by the use of Powdered Sulphur, Lime and Arsenate of Lead in equal proportions. Deresol and Volck applied according to directions are also effective.

Quick Reference List

LOW GROWING

Globe Arbor Vitae
Greek Juniper
Savin's Juniper
Pfitzer's Juniper

MEDIUM GROWING

Hovey's A. Vitae
Berckman's Arbor Vitae
Boxwood
Retinospora, blue
Mugho Pine

TALL GROWING

Retinosporas
American Arbor Vitae
Oriental Arbor Vitae
Pyramid Arbor Vitae
Irish Juniper
Blue Juniper
Hemlock

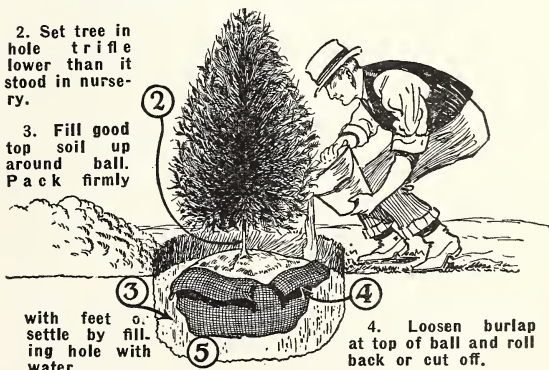
LAWN SPECIMEN

Hemlock
Pines
Spruces

1. Dig hole a foot larger and deeper than ball of earth, provide good loamy top soil to fill around ball.

2. Set tree in hole a trifle lower than it stood in nursery.

3. Fill good top soil up around ball. Pack firmly



with feet or settle by filling hole with water.

4. Loosen burlap at top of ball and roll back or cut off.

5. Fill hole with soil. Pack firmly and leave top of ground covered with loose earth, or better mulch with straw or hay.

Ornamental Evergreens

BOXWOOD (*Buxus sempervirens*) (Common Tree Box). A large shrub with thick, leathery dark green leaves. Bears shearing well and can be shaped in any form desired.

Bush Globe—

18x18 in.\$4.00 each
24x24 in. 6.00 each

Pyramidalis—

18x18 in.\$4.00 each
18x24 in. 6.00 each

JUNIPERUS (*Juniper*) *excelsa stricta*. Foliage glaucous and arranged around the branches in threes, dense and prickly.

1 ft.\$3.50 each
1½ ft. 4.00 each
2 ft. 5.00 each
2½ ft. 6.00 each

hibernica (Irish Juniper). A distinct and beautiful variety, of erect, dense, conical outline.

24 in.\$3.00 each
36 in. 4.00 each

pfitzeriana. Very distinct, being of striking, graceful habit; the color bright silvery green; perfectly hardy.

18 to 24 in.\$4.50 each
2 to 2½ ft. 6.00 each

sabina (Compact Savin Juniper). Low, trailing habit and fine for massing.

18 to 24 in.\$3.75 each
24 to 30 in. 4.50 each

virginiana (Red Cedar). Of medium compact growth.

3 ft.\$ 3.50 each
4 ft. 4.50 each
5 ft. 6.00 each
6 ft. 7.50 each

—glauca (Silvery Red Cedar).

2 ft.\$3.50 each
3 ft. 5.00 each

KALMIA *latifolia* (Mountain Laurel, or Calico Bush).

1 to 1½ ft., nursery grown\$3.50 each
1½ to 2 ft., nursery grown 5.00 each
2 to 3 ft., nursery grown 6.00 each

PICEA *excelsa* (Norway Spruce). Leaves dark green; very handsome; of pyramidal, lofty appearance.

1½ to 2 ft.\$2.00 each
2 to 3 ft. 3.00 each
3 to 4 ft. 4.00 each

pungens (Colorado Spruce). Leaves bluish.

18 to 24 in.\$5.00 each
2 to 3 ft. 8.00 each

PINUS *austriaca* (Austrian Pine). A robust stately tree of rapid growth and very hardy.

2 ft.\$3.00 each
2½ ft. 4.00 each

mughus (Dwarf Mugho Pine).

12 to 18 in. diam.\$3.50 each
1½ to 2 ft. diam. 4.50 each

strobis (White Pine). One of the best native Pines; pale light green foliage.

2 to 3 ft.\$2.50 each
3 to 4 ft. 3.00 each

sylvestris (Scotch Pine). Of rapid growth, with strong branches and short, stiff, bluish-green foliage.

2 ft.\$2.75 each
3 ft. 3.00 each

RETINOSPORA *filifera* (Japanese Cedar). Thread-branched, drooping branches, bright green; very pretty.

1½ ft.\$3.00 each
2 ft. 4.00 each

—aurea nana. Golden; most attractive.

18 in., bushy shaped\$3.00 each
plumosa. Graceful habit.

1½ ft.\$2.50 each
2 ft. 3.00 each
2½ ft. 3.50 each
3 ft. 4.00 each

RETINOSPORA *plumosa aurea*. Golden foliage.

1½ ft.\$3.00 each
2 to 3 ft. 4.00 each

—squarrosa veitchi. Light bluish green foliage.

1½ ft.\$2.00 each
2 ft. 3.00 each

RHODODENDRONS (Hardy Hybrid Varieties).

maximum (Great Laurel). Is admirably adapted to massing, will thrive in shady or exposed positions, and is perfectly hardy. Nursery grown.

2 to 2½ ft.\$4.00 each
2½ to 3 ft. 4.50 each
3 to 4 ft. 5.00 each

TAXUS *baccata repandens* (Yew). This is the hardiest of all prostrate varieties and will grow in almost any position. It is excellent for hedging, grouping and covering banks.

1½ to 2 ft. diam.\$3.00 each

cuspidata. Spreading form.

12 to 18 in. high\$2.50 each
18 to 24 in. high 3.00 each
2 to 2½ ft. high 4.00 each

—nana brevifolia. Really an excellent Yew, with fine, spreading branches and rich deep green, short leaves. Highly recommended.

15 in.\$2.50 each
1½ ft. 3.00 each
2 ft. to 3 ft. 3.50 each

THUJA *pyramidalis* (Pyramidal Arborvitae). A most valuable, upright evergreen, of dense, compact habit. Foliage light green.

2½ ft.\$2.50 each
3 ft. 3.00 each
4 ft. 7.00 each

occidentalis (Common American Arborvitae).

2 to 3 ft.\$3.50 each
3 to 4 ft. 5.00 each
4 to 5 ft. 7.00 each

wareana occidentalis sibirica (Siberian Arborvitae). Large, bold, glaucous green foliage.

2 ft.\$3.50 each
2½ ft. 4.00 each

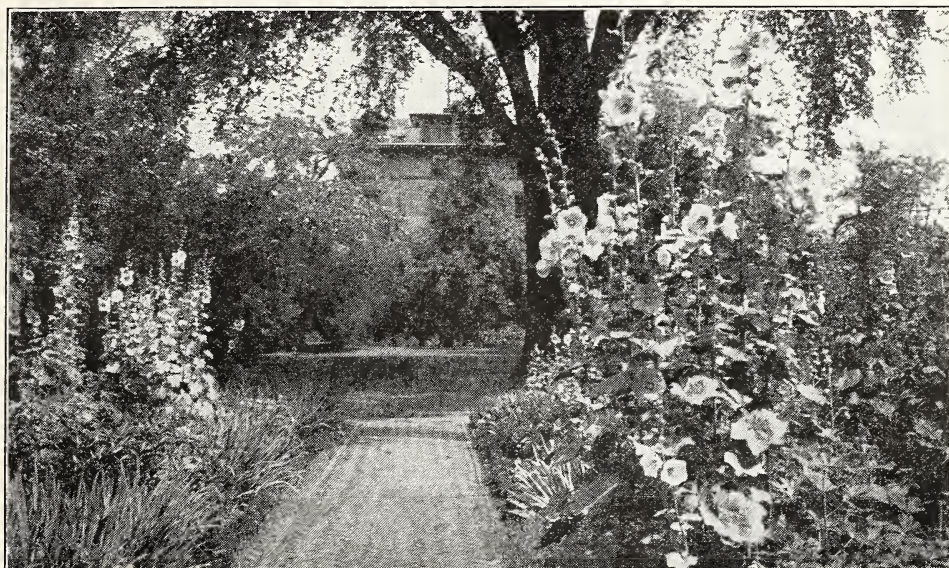
Rosedale. A broad cone shaped variety with palm like bluish green foliage.

23 to 30 in.\$4.50 each
30 to 36 in. 6.00 each

TSUGA *canadensis* (Common Hemlock). One of the most handsome and graceful evergreens.

18 to 24 in.\$2.75 each
2 to 3 ft. 4.00 each
3 to 4 ft. 5.00 each

Box packing for long shipments extra at cost.



Trees for Shade and Beauty

Today everyone knows the value and use of shade trees. What would we do without them. Imagine our streets, parks, lawns and woodlands, without trees to beautify and to shade. Select them with care. For permanency choose the hardwood types, and while they grow a little slower they are worth while. The quick-growing trees are very desirable and useful. They should be used liberally and especially interspersed with the hard wooded varieties.

We sometimes wonder what this country will look like in fifty years. We are taking down old trees, and storms and disease are taking their toll and very soon our native woodland will be extinct unless there is some replacement. Plant some to replace these "old friends" that are passing on, for you will enjoy them and also leave a legacy for succeeding generations.

Distance—Ordinarily 40 feet apart is best for lawn or avenue trees, as in time they will touch at this distance. Some of the more erect growing varieties may be moved closer. Where quick growing trees are inter-planted, to be cut out later, 25 feet apart is suggested as the proper distance.

Pruning—At planting time be sure to prune. Shorten the side branches, taking off at least half of last year's growth and don't dehorn the tops but shorten the central leader in proportion to the pruning done of the side branches. Avoid making crotches as these later will split apart under the weight of snow and sleet.

Mulching and Watering—Mulching is nature's own way of conserving moisture. Any material like leaves, manure, weeds or straw can be used. Pile about the base of the trees and it will keep the roots moist, it adds fertility as it rots and prevents the ground from cracking and baking. If applied in the Fall the trees should be guyed to prevent swaying in the wind. In watering keep in mind how deep down the roots are and that it will take a lot of water to get down to them.

Quick Reference List for Shade Trees

STREET PLANTING	FOR FALL COLOR	FOR MOIST PLACES	FOR QUICK EFFECT
Pin Oak	Ash	Birch	Ash
Sugar Maple	Sweet Gum	Maple	Catalpa
Norway Maple	Sugar Maple	Sweet Gum	Weeping Willow
Elm	Red Maple	Willow	Silver Maple
Ash	Oaks	Lombardy	Lombardy Poplar
Lombardy Poplar		Elm	
		Oaks	

Ornamental and Shade Trees

ACER dasycarpum (White or Silver-leaved Maple). Large sized tree, rapid grower.

8 to 10 ft., 1¼ in. diam.\$2.00 each
10 to 12 ft., 1½ in. diam. 2.75 each
12 to 14 ft., 1¾ in. diam. 4.00 each

platanoides (Norway Maple). Vigorous growing tree, of spreading rounded form.

8 to 10 ft., 1¼ in. diam.\$2.00 each
10 to 12 ft., 1½ in. diam. 2.75 each
12 to 14 ft., 1½ in. diam. 4.00 each

saccharinum (Sugar, or Rock Maple). Of vigorous growth; more or less pyramidal form.

10 to 11 ft., 1¼ in. diam.\$2.75 each
11 to 13 ft., 1½ in. diam. 4.00 each

AESCULUS hippocastanum (European White-Flowering Horse Chestnut). A compact, handsome tree. Foliage appears very early in Spring.

8 to 10 ft., 1¼ in. diam.\$3.00 each

BETULA alba laciniata (Cut-leaved Weeping Birch). Silvery white bark, graceful drooping habit of growth.

4 to 5 ft.\$2.50 each
5 to 6 ft. 3.00 each

CATALPA bungei. A rapid growing tree, with a dense mass of large, heart-shaped light green leaves. Excellent for formal effects. Handsome, globe-headed standards.

Medium heads\$2.00 each
Large heads 3.00 each

DOGWOOD *Conus Florida*. White Flowering Dogwood.

2 to 3 ft.\$1.00 each
3 to 4 ft. 1.50 each
4 to 5 ft. 2.00 each

Florida Rubra Red.

18 to 24 in.\$2.50 each
2 to 3 ft. 3.50 each
3 to 4 ft. 6.00 each
5 to 6 ft. 9.00 each

CERCES CANADESIS. Blue Bud or Judas Tree. A small tree with a wealth of Floral Beauty.

2 to 3 ft.\$0.50 each
3 to 5 ft.65 each
4 to 5 ft. 1.00 each

FRAXINUS americana (White Ash). A splendid tall growing tree.

10 to 12 ft., 1½ in. diam.\$2.00 each
12 to 14 ft., 2 in. diam. 3.50 each

GINKGO biloba (*Salisburia adiantifolia*) (Maidenhair Tree). A remarkable tree of spreading growth in age. Deep green, thick leaves, similar in shape to those of the Maidenhair fern. Rapid grower and very hardy.

8 to 10 ft.\$3.00 each
10 to 12 ft. 3.50 each

LIQUIDAMBAR (Sweet Gum Tree). A native tree of rapid growth, beautiful Fall color.

4 to 6 ft.\$1.75 each
6 to 8 ft. 2.00 each

LIRIODENDRON tulipifera (Tulip Tree). A noble looking pyramidal tree with clean trunk. Leaves are alternate and have long stalks.

6 to 8 ft.\$1.75 each
8 to 10 ft. 2.00 each
10 to 12 ft. 2.50 each

MORUS pendula (Teas' Weeping Mulberry). A beautiful, hardy, ornamental tree; forms a perfect umbrella-shaped head.

5 to 7 ft., 1-yr. heads\$2.50 each
5 to 7 ft., strong, 2 yr. heads 3.00 each
3 yr. heads 5.00 each

MAGNOLIA or Cucumber Tree. *M. acuminata*. A native well known in our mountains, growing conical in shape, having large, glaucous green leaves, making it very attractive. The flowers are fragrant, usually of dull white color followed by elongated green seed clusters which later turn coral. Very satisfactory. Prices—

6-8 ft., \$2.50 each; 5 for \$11.25; 5-6 ft., \$2.00 each; 5 for \$8.75.

Magnolia glauca (Sweet Bay) makes a small tree. Leaves are glossy, laurel like and almost evergreen. Flowers white in June followed by attractive fruits. Price—2-3 ft., \$2.00 each; 3-4 ft., \$3.00 each.

PLATANUS orientalis (Oriental Plane). A superb tree of gigantic proportions, extensively used in Europe, for park, street and avenue planting.

8 to 10 ft., 1¼ in. diam.\$2.00 each
10 to 11 ft., 1½ in. diam. 3.00 each
11 to 12 ft., 1¾ in. diam. 4.00 each

POPULUS carolinensis, syn. *monolifera* (Carolina Poplar). Rapid grower; very valuable for screening.

8 to 10 ft.\$1.25 each
10 to 12 ft. 1.50 each
12 to 15 ft. 2.00 each

fastigiata, or **dilatata** (Lombardy, or Italian Poplar). An ornamental and picturesque tree.

8 to 10 ft., 1 in. diam.\$1.25 each
10 to 12 ft., 1½ in. diam. 1.50 each
12 to 15 ft., 1¾ in. diam. 2.00 each

QUERCUS americana rubra (American Red Oak). Beautiful tree of rapid growth.

8 to 10 ft., 1½ in. diam.\$2.50 each
10 to 12 ft., 2 in. diam. 3.00 each

Palustris (Pin Oak). A superb and very distinct tree, with graceful drooping branches.

8 ft., 1¼ in. diam.\$2.50 each
8 to 10 ft., 1½ in. diam. 3.50 each
10 to 12 ft., 2 in. diam. 4.00 each

SALIX babylonica (Babylonian, or Weeping Willow). A well known and graceful variety.

6 to 8 ft.\$1.50 each
8 to 10 ft. 2.00 each
10 to 12 ft. 3.00 each

caprea (Pussy Willow).

3 to 4 ft.\$0.75 each
4 to 5 ft. 1.25 each

SORBUS aucuparia (Mountain Ash). A fine tree, dense and regular; covered all Summer with great clusters of scarlet berries.

5 to 6 ft.\$2.00 each
6 to 8 ft. 3.00 each

TILIA (American Linden).

8 to 10 ft., 1½ in. diam.\$2.00 each
10 to 12 ft., 1¾ in. diam. 3.00 each

ULMUS americana (American White, or Water Elm). Very tall growing and stately.

8 to 10 ft., 1¼ in. diam.\$2.00 each
10 to 12 ft., 1½ in. diam. 2.50 each
12 to 14 ft., 2 in. diam. 3.00 each

INSECTICIDES

FUNGICIDES

Acme Garden Guard

A garden insecticide and fungicide for use as a dust. No water, no mixing, no muss.

For use on:

Cabbage, cauliflower, tomato plants, melon vines, currants and gooseberries and other vegetables, flowers and shrubs of many kinds. Prices: 1 lb. sifter carton 25c; 5 lb., 85c; 100 lb., \$14.00.

Acme Paris Green

A rich, emerald color and of fine fluffy physical character. Containing 55 per cent arsenious oxide, it will give quickest control where extreme measures are necessary.

For use on:

Potatoes, cotton, tobacco, also to mix with arsenate of lead for fruit tree spraying where quick results are necessary.

Prices: ¼ lb., 15c; 1 lb., 35c; 5 lb., 30c; 14 lb., \$4.00; 100 lb., \$28.00



Acme Two-Way Spray

A balanced insecticide and fungicide containing 14 per cent arsenate of lead and 83 per cent Bordeaux Mixture. Two results with one application.

Use wet or dry on:

Apple, sour cherry, currant and gooseberry, grape, pear, plum, strawberry, pecan, bean, beet, cucumber, pepper, potato, tomato and many other fruits and vegetables.

Prices: ½ lb., 25c; 1 lb., 45c; 4 lb., \$1.20; 100 lb., \$27.00.



Acme Bean Beetle Dust

A special beetle preparation most effectively used against Mexican bean beetle. Being both stomach and contact poison, it is sure to give quick results.

To be applied only as a dust. For use against:

Mexican bean beetle, potato bug, cucumber beetle and many other less common hard shelled beetles. Prices: 1 lb., 30c; 4 lb., 65c; 100 lb., \$13.00.



Acme Oil Spray

A dormant oil spray for control of scale insects, aphids and red mite on deciduous fruit trees and shrubs. Prices: Qt., 50c; gal., \$1.75; 5 gal., \$8.50.



Acme Lime Sulfur

A standard 33 degree Baume lime and sulphur converted into a dry powder but having all the effectiveness of the liquid product when dissolved in water.

For use on:

Dormant spraying against scale, peach blight, leaf curl and twig borer. Summer spraying against

scab, soot, blotch, red spider and mite.

Prices: 1 lb., 40c; 5 lb., \$1.40; 10 lb., \$2.50; 25 lb. \$4.50.

Acme London Purple

A favored insecticide for 50 years. Now stronger and better than ever. London Purple is one of the lightest and fluffiest powder insecticides on the market, assuring complete coverage and greatest adhesion to foliage.

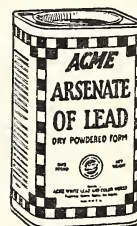
For use on potatoes, cotton, tobacco, sugar beets and many other shrubs and vegetables affected by leaf chewing insects.

Prices: ¼ lb., 15c; 1 lb., 35c; 4 lb., \$1.40; 100 lb., \$25.00.

Acme Arsenate of Lead

The most favored arsenical insecticide found on the American market. It is safest to use on tender foliage and sticks well on the leaves. Recommended for fruit trees, vegetables, bushes and tobacco. Can be used as dust or spray.

Prices: ½ lb., 20c; 1 lb., 30c; 4 lb., \$1.00; 100 lb., \$19.00.



Acme Bordeaux Mixture

Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungous diseases. It stimulates plant growth and greatly increases the harvests. Almost every kind of vegetable, fruit and shrub can be greatly improved by the early use of Bordeaux Mixture.

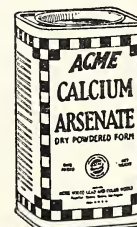
Prices: 1 lb., 35c; 4 lb., \$1.00; 100 lb., \$25.00.



Acme Calcium Arsenate

The cheapest arsenical insecticide on the market but of great economy and efficiency for certain purposes. The accepted dust for boll weevil poisoning on cotton: also recommended to combat chewing insects on potatoes, vegetables, cotton and certain fruit trees.

Prices: 1 lb., 20c; 4 lb., 60c; 100 lb., \$12.00.



Acme Spray Soap

A (fish oil) soap effective in destroying many sucking insects and lice on plants, trees, ferns, etc. Also used extensively with cylinder oils in making oil emulsions to reduce the surface tension.

Prices: 1 lb., 20c; 5 lb., 00c.



Nicofume (Tobacco Paper). For fumigating greenhouses and for hot-bed uses, 24 sheets, 18x6, to a tin. Price, 24 sheets, \$1.40; 144 sheets, \$6.00; postpaid. Not postpaid. 24 sheets, \$1.25; 144 sheets, \$5.50; 228 sheets, \$10.00.

Nicofume Liquid. Liquid form of Nicotine, used for spraying or fumigating; ¼ lb., 75c; 1 lb., \$2.25; 4 lbs., \$8.00; 8 lbs., \$15.00.

Black Leaf 40 (Liquid). A concentrated solution of nicotine-sulphate. Highly recommended as a spray for aphids on tender plants. 1 oz., 35c; ½ lb., \$1.25; 2 lbs., \$3.50; 10 lbs., \$13.50, express or freight only.

Nicotine Dust (Black Leaf). Nicotine dust should be applied on warm days—above 75 degrees Fahr, if practicable; 95 to 100 degrees, in the sun, is still better.

Nicotine kills by direct contract.

Nicotine. 5 lb. pkg., \$1.10; 25 lbs., \$3.75; 50 lbs., \$6.75; 100 lbs., \$12.75.

FAIM'S Tree Dressing. For cuts or bruises. 1 qt., \$1.00; 1 gal., \$3.00.

SEMESAN—A Mercurial Disinfectant. Controls seed diseases, accelerates germination, stimulates seedling growth, produces sturdier plants and increases crop yields.

2 ounces	\$.60
4 ounces	1.00
8 ounces	1.60
1 pound	2.75
5 pounds	13.00
25 pounds	62.50
100 pound kegs	240.00

Black Flag Liquid. Non poisonous. Kills ants, Bed Bugs, Flies, Fleas, Roaches, Mosquitoes, Moth and Insects that inhabit household and plants. ½ pt., 25c; pt., 45c; qt., 75c; gal., \$2.50.

Black Flag Powder. Non poisonous. Same as liquid except in dry form. Small size, 15c; medium size, 40c; large size, 75c. Non poisonous.

Black Flag Powder Guns. 10c each.

Columbia Fly Killer. Qt., 60c; ½ gal., 90c; gal., \$1.50.

Slug Shot. Specially destroys the cabbage worm, potato bug, tobacco worm and other insects that prey on vegetation. Non-poisonous. Price, 1 lb. canister, 30c; 5 lbs., \$1.00; postpaid. Not postpaid, 1 lb. canister, 20c; 5 lb. pkg., 50c; 100 lb. lots at 9c per lb.

Sulphate of Copper. (Blue Stone or Vitriol). Used in making Bordeaux mixture in combination with lime, the proportions being 4 lbs. blue stone, 4 lbs. lime, 50 gallons of water until it dissolves; dissolves the lime in water, strain and mix. Place the blue stone in a canvas sack, immerse in water. Price, 1 lb., 25c; 25 lbs., \$3.50; 100 lbs., \$12.00. Non-mailable.

Sulphur. For mildew on roses, lettuce and other plants. Also valuable for poultry, insects, etc. Price, 1 lb., 20c; 10 lbs., \$1.25; postpaid. Not postpaid, 1 lb., 10c; 10 lbs., 75c; 25 lbs., \$1.50; 100 lbs., \$5.00.

Tobacco Dust. One of the cheapest and most effective remedies for destroying lice and worms on cabbage, stripel bugs on melons, cucumbers and squashes, and other insects. Price, 1 lb., 20c; 10 lbs., \$1.00; postpaid. Not postpaid, 1 lb., 10c; 10 lbs., 50c; 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.00.

Tree Tanglefoot. A perfect safeguard for trees against gypsy, brown-tail and tussock moth, caterpillars, canker worms, cut worms, ants, and other creeping insects. Apply during February. Will last about three months. 1 lb. for 6-foot band 4 inches wide, 1-16 in. thick. Full directions on each package. Price, 1 lb., 70c; 5 lbs., \$3.00; postpaid. Not postpaid, 1 lb. can, 60c; 5 lb. can, \$2.75; 10 lbs., \$5.25.

Scalecide. Best spray available for San Jose scale, non-poisonous. Mix 1 gallon to 15 gallons of water. If applied in the fall and winter or early spring when foliage is off, it will destroy successfully all scale. Price, 1 qt., \$1.00; 1 gal., \$2.50; postpaid. Not postpaid, 1 qt., 75c; 1 gal., \$1.75; 5 gals., \$6.45; 10 gals., \$11.00; 30 gal. barrel, \$27.00; barrel (50 gals.), \$39.50.

Derrisol. Fine for Rose Diseases, Red Spider or Evergreens, etc. 2 oz., bottles, 35c each; ½ lb., bottles, \$1.20 each; 1 lb. bottles, \$2.00.

Lemon Oil. The very best remedy for house plants, effectually destroying green fly, red spider, scale, mealy bug, mildew, etc. Will also destroy lice and insects by spraying in hen pens and poultry houses. Directions for use on each can. Price, ½ pt., 40c; pt., 70c; qt., \$1.25; postpaid. Not postpaid, ½ pt. tins, 35c; pt., 60c; qt., \$1.00; ½ gal., \$1.75; 1 gal., \$3.00.

FUNGITROGEN. A highly concentrated fungicide that conquers Mildew and controls Black Spot on roses, phlox and other plants, and is an effective plant stimulant, as well.

½ pt., 75c; pt., \$1.25; qt., \$2.00; ½ gal., \$3.50.

FEROGEN. Spring-Summer Ground Dressing and Ground Stabilizer. A valuable plant food. Reinforces manure fertilizer. Supplies essential chemical elements to the soil.

1 lb., 75c; 2 lbs., \$1.25; 5 lbs., \$2.75.

TEROGEN. Autumn-Winter Ground Dressing. Destroys the spores of fungi of most diseases. Kills the larvae of insects, such as rose-pith, borer, rose bugs, Japanese beetle, aphids and ants. A valuable fertilizer.

1 lb., 75c; 2 lbs., \$1.25; 5 lbs., \$2.75; 10 lbs., \$4.75.

Antrol Cottage Sets. Ant killer. 9 receptacles and 6 oz. syrup in each. \$1.90 per set.

GET CUTWORMS, SLUGS, SNAILS

Snarol, a ready-prepared meal, non-soluble in water so rain or sprinkling doesn't harm it, and absolutely harmless to vegetation, quickly kills snails, slugs, grasshoppers, cutworms, earwig and sow bugs.

Sprinkle it around the flowers and the shrubbery and save the damage from these pests. Remember the name—**Snarol.** 1 lb. pkgs., 50c; 3 lb. pks. in carton, \$1.00; 15 lb. bags, \$3.75.

Para-Dichloro-Benzene. For peach tree borer. When placed around the base of a peach tree, will generate a gas that will kill the borers in that tree. Use about one ounce per tree. Full directions on container. 1 oz., 15c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 75c.

Pyrox. Easily mixed with water. Kills leaf-eating insects and controls fungus diseases. 1 lb., 50c; 5 lbs., \$1.75.

Sprayers

No. 22 AUTO-SPRAY ATOMIZER—Liquid for all kinds of small spraying and disinfecting. Very effective, as it throws a very fine mist-like spray. Made of heavy tin and holds one quart.

Price, postpaid\$0.75

AUTO-SPRAY No. 26—CONTINUOUS ATOMIZER—The continuous feature of this pump is a decided advantage over ordinary atomizers which are intermittent, in that spraying can be done more rapidly with much less exertion.

Price, No. 26A—1 qt. all tin; postpaid ..\$1.00

Price, No. 26 C—1 qt. pump, tin; tank, brass; postpaid\$1.50

DUST GUN—For Mexican bean beetle in small gardens. Duster Brown, No. 2C, quart size, each, \$1.75; 1 pint, postpaid\$1.25

SINGLE ACME BELLOWS—A simple and practical implement for applying all powdered insecticides. It will apply on top sides or underneath the leaves. It is easy to operate, light and serviceable. Price each, postpaid\$2.00

LEGGETT IMPROVED CHAMPION PARIS GREEN DUSTER—Superior to all dry powder guns for applying Paris Green to potatoes and tobacco. Price, for Louisville\$13.50

AUTO-SPRAY COMPRESSED AIR—It is the strongest and most simple in its working parts of any compressed air sprayer. Two pumpings of about 15 strokes on the plunger will discharge its contents under high and constant pressure. After pumping, the operator has nothing to do but direct the spray. Capacity, 3½ gallon. Made with heavy galvanized steel and sheet brass tank.

Price, No. 9 B Brass Tank\$8.00

Price, No. 9 D Galvanized Tank 5.50

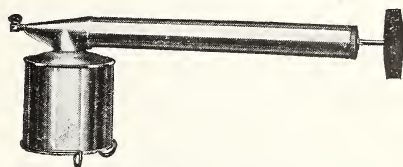
Price, 2 ft. Solid Brass Extension, each50

Price, Strainer, Solid Brass 1.30

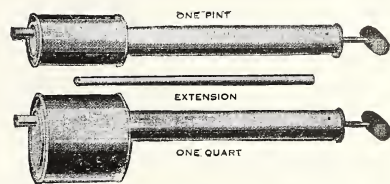
Price, Two-Row Attachment, Brass 1.65

Brass strainer necessary in the proper preparation of solutions.

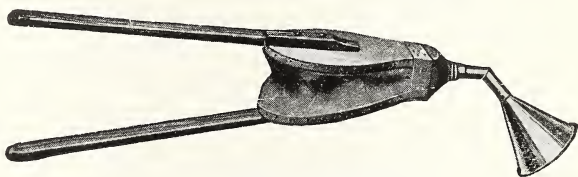
BROWN WHEELBARROW PORTABLE SPRAY, with Compressed air tank with 15 foot hose, 15 gal. tank, nozzle. Complete\$28.00



No. 26 Continuous Atomizer



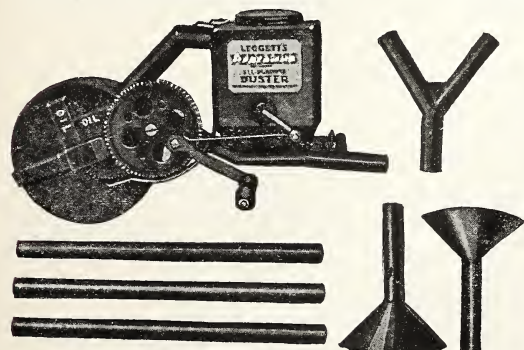
Mexican Bean Beetle Dust Gun



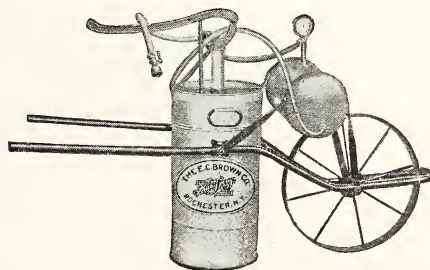
Single Acme Bellows



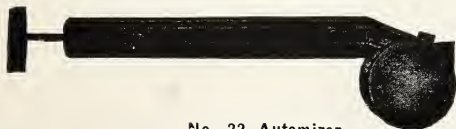
Brown No. 9 Compressed Air Sprayer



Leggett's Improved Dry Powder Duster

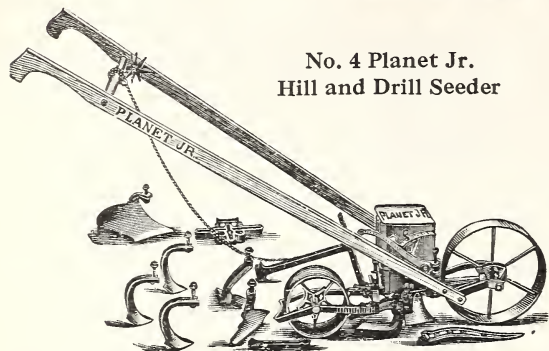


Brown Wheelbarrow Portable Compressor Air Sprayer



No. 22 Automizer

Garden Tools



No. 4 Planet Jr.
Hill and Drill Seeder

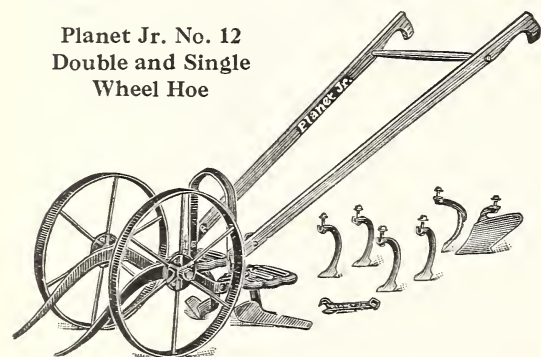
No. 4 PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW.

Price, complete\$17.50

This tool sows all garden seeds from the smallest up to peas and beans, in hills 4, 6, 8, 12 or 24 inches apart, or in drills. No time is lost. No seed is wasted. By removing the seeder parts and substituting the tool frame, you have a first-class single-wheel hoe.

NO. 4D HILL AND DRILL SEEDER—Same as above less the cultivating attachment, \$14.00.

No. 3 HILL & DRILL SEEDER—Same as No. 4 except wheel 1½ inch smaller and holds 3 qts. Price\$17.00



Planet Jr. No. 12
Double and Single
Wheel Hoe

No. 12 PLANET JR. DOUBLE & SINGLE WHEEL HOE—Equipment:

- 1 pair 6 in. hoes
- 4 steel Cultivator Teeth
- 1 pair plows.
- 2 leaf lifters.

Price\$10.00

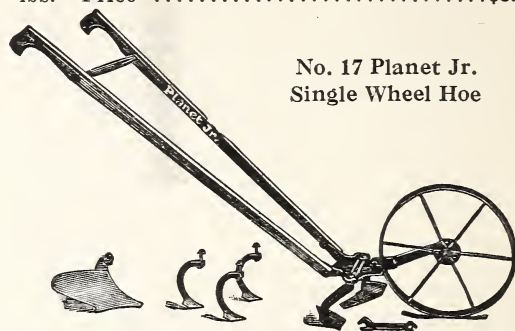
PLANET JR. No. 11 DOUBLE AND SINGLE WHEEL HOE COMBINED
Packed weight, 39 lbs.

Equipment:

- One pair 6-inch hoes.
- One pair 4½-inch hoes.
- our steel cultivator teeth.
- One pair plows.
- Two 3-tooth rakes.
- Two 5-tooth rakes.
- Two leaf lifters.
- All oil tempered. Price\$13.75

Sixty-eight

No. 13 DOUBLE AND SINGLE WHEEL HOE—
Frame same as No. 11 equipment, one pair of 6-inch hoes. Any of the other attachments may be added at any time. Packed weight, 28 lbs. Price\$8.00



No. 17 Planet Jr.
Single Wheel Hoe

No. 17 PLANET JR. SINGLE WHEEL HOE—
Packed weight, 24 lbs. Equipment:

- One pair of 6 inch hoes.
- Three steel cultivator teeth.
- One large garden plow.
- Double wheel arms. All oil tempered.

Price\$7.25

PLANET JR. No. 17½—Same as No. 17 without the plow\$6.50

PLANET JR. No. 18—Same as No. 17 with only the scrapers as equipment\$5.50



No. 19 Planet Jr. Garden
Plow and Cultivator

No. 19 PLANET JR. GARDEN PLOW AND CULTIVATOR—

- Weight, 21 lbs. Equipment.
- 15-inch steel wheel.
- One 2-inch cultivating tooth.
- One 10-inch sweep.
- One plow.

One 5-prong cultivating attachment.

No. 2 PLANET JR. LAWN EDGER—Everyone who uses a lawn mower, has work for one of these edgers; adjustable for a tall or short person. Indispensable in keeping grounds looking neat and attractive, the No. 2 Edger will quickly edge the grass bordering all walks, straight or curved, cement, stone or brick. It is easily operated; in fact, it is so much like play to use it that you will find pleasure in keeping your lawn always neatly edged. \$1.60 each.

HUDSON HIGH WHEEL HOE—

Equipment:

- 1 Plow.
- 3 Cultivator teeth.
- 1 3-prong Rake.

Price, f. o. b.\$3.50

Value of Good Lawn Grass Seed

Too much stress can not be laid on this, as poor seed filled with weeds is dear at any price.

For general lawn purposes Blue Ribbon Evergreen Lawn Grass will give the most satisfactory results. It is a combination of Kentucky Bluegrass with other fine growing grasses which give a quick start until the bluegrass has a chance to grow and get a hold. Kentucky Bluegrass alone is very slow growing at the start, more or less dormant in the summer but beautiful in the fall and early spring months. Creeping Bent Grass is very desirable for light sandy soil; Shady Green Grass for very low, wet or badly drained soil.

BLUE RIBBON EVERGREEN

A grass Seed for northern and middle latitudes. We recommend it in place of straight Kentucky Blue Grass, as the latter is slow in starting and takes some time to make a good lawn when seeded alone. It is a mixture of the best grasses for lawn purposes, which insures a fine green sward at all seasons of the year, not one grass keeping in good condition throughout the season. It makes a lawn quickly as some of the grasses used grow rapidly and in a few weeks' time they are ready to mow. Our Seed weighs 20 pounds to the bushel. Prices, postpaid pound, 50c; 5 lbs., \$2.25. Prices at buyers expense. Pound, 40c; 5 pounds, \$1.90; 20 pounds, \$7.00.

SHADY GREEN

Shady Green—This is especially prepared for damp and shady places where ordinary grasses will not thrive. If you have already trees on your property or require a sod on the north side of some buildings, this is just the thing for you. Prices, postage paid, pound, 60c; 5 lbs., \$2.75. At buyers expense: Pound, 50c; 5 pounds, \$2.75; 20 pounds, \$9.50.

DIXIE VELVET

Our friends in the extreme South and dry Western States will find this of exceptional value. It is made up from extremely hardy varieties, those which withstand the hot sun and drouth, such as Bermuda Grass. It can also be used to advantage on dry banks exposed to the sun, where ordinary varieties burn out.

Prices postage paid, pound, 60c; 5 pounds, \$2.75. At buyers expense: pound, 50c; 5 pounds, \$2.25; 20 pounds, \$8.00; 100 pounds, \$38.00.

FANCY KENTUCKY BLUE GRASS

From the Blue Grass State—Especially cleaned for lawn purposes. (Also known as June Grass, Green Meadow Grass, etc.)—This famous grass is well known in all sections, and is one of the most popular of all for pasture. Kentucky Blue is at its best in the spring and fall months, and when once set, forms a very close, compact sod. Recommended for seeding large areas and pastures.

Prices: 1 lb., 45c; 5 lbs., \$2.00. Postpaid prices at buyer's expense: 1 lb., 35c; 5 lbs., \$1.50; bu., \$3.75.

WHITE CLOVER

For lawn purposes—Extra fancy for lawns. 1 lb., 75c; 5 lbs., \$3.50; postpaid. 1 lb., 65c; 5 lb., \$3.00; not postpaid.

TERRACE MIXTURE LAWN GRASS

A special mixture of grasses for sowing on terraces and side hills—grasses that produce

strong spreading roots, thus preventing heavy rain from washing them out; that will withstand drought and exposure, thrive on shallow soils and produce a rich, green turf throughout the season.

Price: Postpaid, Lb. 50c., 5 lbs. \$2.40
bu. 20 lbs. \$9.00.

PERMANENT GRASS MIXTURES FOR GOLF LINKS

Putting Green, or Tennis Court Mixture

A very carefully prepared mixture for use on putting greens, croquet lawns, tennis courts, bowling greens and lawns. This mixture produces a very thick, soft growth, when sown on a well-prepared ground, and mowed short will allow a ball to roll in almost a direct line. We especially recommend this mixture to those who are particular to obtain the very best. Our mixture contains only the very fine-bladed species of grasses without Rye Grass. 25 lbs. will seed a putting green 75 feet square.

Price: 5 lbs. \$4.00, 25 lbs. \$17.50, 100 lbs. \$70.00.

FAIR GREEN MIXTURE

Fair Green Mixture is composed mainly of perennial native grasses and two very important European grasses which have proven of great value for Fair Green use. They are all of dwarf spreading growth, forming a close velvety surface which improves from year to year if given proper care.

This mixture contains no Clover but will be added if desired in quantity of one-half pound per bushel of grass seed. Sow 100 lbs. per acre.

Price: 20 lbs. \$10.00, 100 lbs. \$48.00.

Keep Your Lawn Alive

Keep Your Lawn Alive—Soil enriched with proper plant food gives quickest results. Whether with fresh ground or old, it pays equally well to fertilize. The following Fertilizers will give excellent results, and will improve the appearance and health of any lawn.

LAWN AND GARDEN FERTILIZER

Specially prepared. Clean to handle, no disagreeable odors. They are quickly absorbed by the ground. Specially packed for home use in air and moisture proof packages.

1 lb., 10c; 5 lbs., 40c; 20 lbs., \$1.35; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00 f. o. b. Louisville.

LAWN LIME

Lawn Lime—For lawns that are heavily shaded, damp or wet; corrects acidity and sweetens the soil; 50 lb. bags, 75c each, ton, \$20.00.

Raw Bone Meal—1 lb., 10c; 5 lbs., 30c; 25 lbs., \$1.25; 100 lbs., \$4.00; not postpaid.

Plant Food and Stimulants

BUTYLIZER

Natures Plant Food For Flowers, Lawns and Gardens.

Shrubs, lawns, flowers spring up with renewed life, vigor and splendor with this new plant food. Make your lawn and flowers the envy of the whole neighborhood. Butylizer will do it. It is specially prepared to supply grass and other plants with those essential elements which the soil unaided cannot supply. Without these chemical elements grasses wither and flowers fade away.

Butylizer is quickly absorbed by the ground making buds blossom sooner and aiding lawns to attain their full vigor, color and rich velvety texture. It is clean, odorless and easy to apply, specially packed for home use in air and moisture proof packages.

Order now direct by mail.

Prices, 5 lb. pkg., 50c; 10 lbs., \$1.00; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lb. bags, \$5.00. F. O. B. Louisville.

Complete Fertilizers

				Per bag 12 5 lbs.
Potato Grower	3	8	6	\$3.25
Tobacco Grower	2	8	3	3.25
Vegetable Grower	4	10	..	3.25
Acid Phosphate, 16% .....	..	..	..	2.50
Steamed Bone .....	..	..	..	3.00
Raw Bone .....	..	..	..	3.50
Wheat and Corn Grower..	2	10	4	3.00
Soil Sweeteners. Lime, Acid Corrector.	50 lb.			bags, only 75c; not prepaid.

Nitrate of Soda. As a top dressing use at the rate of 100 lbs. per acre between the rows where the plants are well established, on the following vegetables. Cabbage, cauliflower, egg plant, lettuce, spinach, beets, celery, onions and strawberries. For asparagus use 250 lbs. For the home garden apply a solution of 1 oz. to two gallons of water. 1 lb., 15c; 2 lbs., 25c; 10 lbs., \$1.15; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00.

WIZARD BRAND SHEEP MANURE. Is attractively packed to suit the needs of every one. Recommended for Farms, Gardens, Flowers, Trees, etc. A pure finely pulverized natural fertilizer, unequalled for House Plants and Window Boxes. Use either dry or wet, with equal success. 2 lb. boxes, 15c; 5 lb. bags, 25c; 10 lb. bag, 50c; 25 lb. bags, 90c; 50 lbs., \$1.50; 100 lbs., \$2.75; 1000 lb. lots, \$22.00; ton lots, \$40.00.

StimUplant

Growers of fine flowers, shrubs and vegetables for the best markets and for exhibition, fertilize and stimulate them frequently, a little at a time. An excellent fertilizer for this purpose is Stim-U-Plant, an odorless, highly concentrated plant-food, in tablet form, with guaranteed, chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash.

Simply insert tablets in soil near plants, or dissolve in water at the rate of four tablets to the gallon and apply as liquid manure. Complete directions with every package.

Order Stim-U-Plant tablets with your seed and plant order. Prices, trial size, 15c; small size, 25c; 100 tablets, 75c; 1,000, \$3.50; postpaid.



HUMOGERM carries the nitrifying bacteria in a porous humus medium which acts as a natural home for them—keeps them fresh, active and vigorous. The ventilated cans are friction top and open easily without cutting. Place seed in pile, moisten slightly with water and a little sugar, pour on Humogerm and plant in usual way. This gives thorough inoculation, and is cheaper, safer and better than the discredited, laborious soil transfer method.



How to Order. Specify crop and number of bushels you wish to inoculate. The can unit designations are on the bushel basis; for instance, the 1 bushel size contains sufficient culture to thoroughly inoculate 1 bushel of legume seed, any variety.

		F. O. B. Louisville
Garden size	\$0.25	.....
¼ bushel size .....	.37	\$0.35
½ bushel size .....	.70	.60
1 bushel size	1.10	1.00
2½ bushel size	2.50	2.25

Humogerm inoculates your alfalfa, sweet clover, soy beans, red alsike, mammoth clovers, vetch, peas, beans, and all other legumes (pod bearing plants). Insures a catch, hastens maturity, increases the crop, enriches the soil and means success with legumes.

Sulphate of Ammonia. 1 lb., 15c; 5 lbs., 50c; 25 lbs., \$2.00; 100 lbs., \$6.00. F. O. B. Louisville.

Cotton Seed Meal. 100 lbs., \$3.00; 100 lbs., \$29.00.

Tobacco Dust. Finely pulverized. per lb., 10c; 50 lbs., \$2.25; 100 lbs., \$4.00.

Horticultural Tools and Requisites



ASPARAGUS KNIVES, American. Each 50c.

AXES, Felling. With handle, \$3.00 to \$3.50.

BASKETS, Hanging, Wire. Painted, 8 in. diameter, 30c; 10 in., 40c; 12 in. 50c.

BELLOWS, Duster No. 600. Made with 12 in. handles and cone-shaped distributor. Each \$1.75.

BROOMS, Bamboo. For lawns. Small, \$1.00; Large \$1.50.

CARNATION BANDS, Rubber. 30c per oz.

CARNATION SUPPORTS.

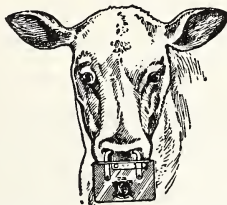
"Model Extension." Made with strong galvanized wire, neat and durable.

Wire, 2 ring, doz., \$1.25; 100, \$7.50.

Wire, 3 rings, doz., \$1.25; 100, \$8.50.

CEL-O-GLASS. A high-grade substitute for glass. Adapted for coldframes, hotbeds, sash, etc. Made with wire mesh cloth, transparent and indestructible. In rolls 36 in. wide and any length desired. Per sq. ft., 25c. In rolls of 300 sq. ft., 18c per ft.

CULTIVATORS. (See pages 68-75).



CALF WEANERS McKEES— Price 25c each.

LANSING HANDY CART F. O. B. Factory Only.

This cart is well built of the best materials. The 36-inch wheels have 2-inch tires with 12 spokes. The axles and framework are of steel. It can be used for carrying milk cans, barrels of feed or water, fodder, feed and other purposes. The platform is 28x32 inches. Price, \$13.00.

COMBINATION WATER BARREL, TRUCK AND LEAF CART

Barrel can be detached from truck without difficulty, or tilted to empty contents. Either barrel, leaf rack and box can be used. Furnished with wheels with 3-inch tires.

TRUCK AND WATER BARREL

Truck, with 3-in. tires and barrel\$20.00
Truck without barrel, 3-in. tires 15.00

TRUCK AND LEAF RACK

Truck, with 3-in. tires 24.00

TRUCK, BARREL, LEAF RACK AND CART

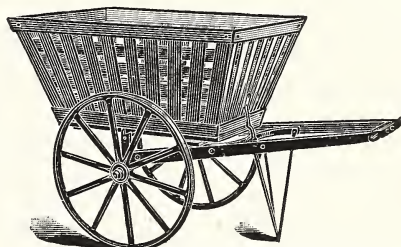
Complete with 3-in. tires 35.50

TRUCK, HANDCART AND BARREL

Truck, with 3-in. tires 27.50

ADDITIONAL ATTACHMENT

Box for Handcart, 24 in. wide, 38 in. long,
10 in. deep\$ 7.00
Leaf Rack for Truck 8.00
Extra Barrels with Trunnions 6.50
Truck and Box Cart 23.00
Extra Trunnions for Barrel, per pair50
Stay Rods for Barrel 1.00



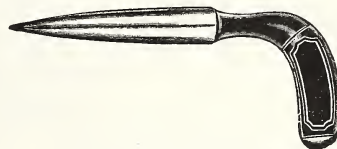
WHEELBARROW LEAF-RACK

Can be attached to any style or size wheelbarrow with removable sides. Most convenient for gathering leaves, cut grass and rubbish. One of these attachments should be in use on every small suburban place, as well as the larger estates. Capacity 10 bushels; made of galvanized wire, with wood base to stand on wheelbarrow. Each, \$8.50.

Protecting Cloth. Valuable for protecting early plants from frost. Pieces contain from 40 to 60 yards.

Heavy Grade. By piece of 50 yd., per yd., 35c.

Medium Grade. By piece of 60 yds., per yr. 30c.



DIBBLES. Iron point, with wood handle, for transplanting. Small, 60c; large, 70c.

DIRT BANDS, Harris Square Locked. Used for transplanting seedling plants.

	100	1000
No. 1 1/4 B, size 1 1/4 x 1 1/4, depth 2 1/2 in.	\$0.50	\$3.50
No. 2 B, size 2 x 2, depth 2 1/2 in.	.60	4.00
No. 3 B, size 3 x 3, depth 3 in.	.70	5.00
No. 4 B, size 4 x 4, depth 3 in.	.75	5.50

FORKS.

Digging or Spading, "Pine Knot"	Each
4-tine, long or short handle	\$1.50
English, 4 square tine, short handle	3.00
Best Steel. 4-tine, long or short handle	1.40
5-tine, short handle	3.00
Manure. 4-tine, short handle	1.75
5-tine, short handle	2.00
4-tine, long handle	2.00

Tools (Continued)



FRUIT PICKERS. McKees. Each 75c.

GARDEN LINES—Finest cotton. 100 ft. \$1.75, 200 ft. \$3.50.

GLASS CUTTERS.

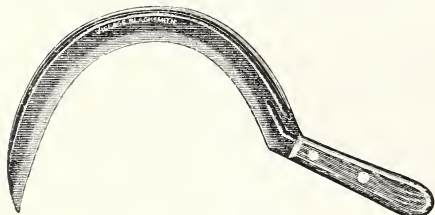
"Red Devil." No. 024, 25c; No. 45, with 6 extra cutter, 50c.

Diamond—Universal—High quality finish. Each \$7.50.

GLAZING POINTS—"Peerless"—1000 80c.

GLAZING POINTS—Zinc—Triangular. Box ¼ lb. 15c.

GRAFTING WAX—For grafting cuts and bruises on trees. ¼ lb. 15c; ½ lb. 25c; lb. 40c.

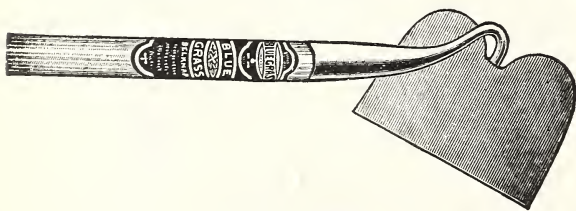


Grass Hook

GRASS HOOKS OR SICKLES—Best English welded back. Each Blade 12x1½, \$1.25.

Cyclone. Blade 13x1½, 50c.

GRASS SHEARS. See Shears.



Draw Hoe

HOES, DRAW. With handles. 5 in. Cyclone, 85c., 6 in. Blue Grass, \$1.35, 7 in. \$1.45.

HOES, SCUFFLE, or DUTCH. Union—Blade 4x 8½. 5 ft. handle \$1.30.

Handles 50c extra.

HOES, WARREN. Heart-shaped, 7½ in., \$1.00.

HORSE BOOTS. For lawns; made of heavy leather. Medium size, set of four, \$18.00; large size, \$20.00.

HOSE BANDS—Made of galvanized steel. For putting on couplings. Doz. 50c.

HOSE CLAMPS—Bolt pattern. Doz. 75c.

HOSE COUPLINGS—Brass for ½ in. to ¾ in. hose. Each 45c.

Clincher Style—½ in. to ¾ in. All brass each, 25c.

HOSE MENDERS.

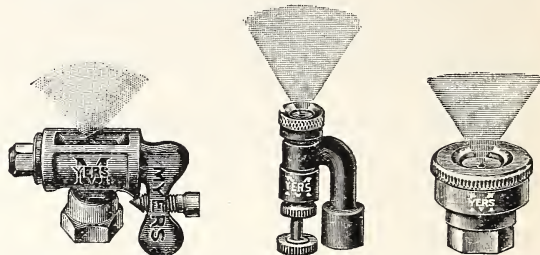
Each Doz.

"Clinch." Brass, ½ or ¾ in. \$0.15 \$1.50

"The Perfect Clinching." ½ or ¾ in. .20 2.00

HOSE NOZZLES—Blue Grass—½ to ¾ in. 55c.

Pine Knot—½ to ¾ in. 50c.



HOSE NOZZLES FOR SPRAY PUMPS—"Bordeaux," adjustable. Each \$1.25.

"Vermorel"—A fine spray. Each \$1.15.

"Shower"—Will not clog and does the work without waste of material and time. ¼ in. thread pipe. Each \$1.00.

Kant Clog Nozzle—Each \$1.10.

HOSE, RUBBER.

Per Foot

Goodyear Glide Ribbed ⅝ in. \$0.14

Goodyear Elm Smooth ⅝ in.13

All cut in 50 ft. lengths complete with couplings.

HOSE REELS—Made with tubular iron; strong and durable.

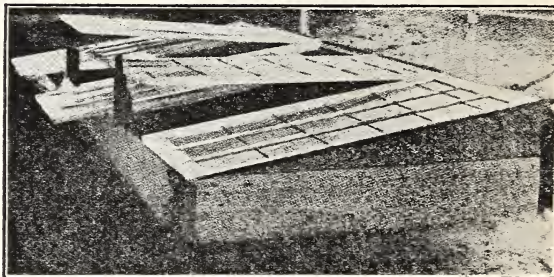
No. 10—For 100 ft., ⅝ in. hose. Each \$6.00.

HOSE WASHERS—¾ in. Doz., 10c.; 100 50c.

HYACINTH STAKES—Dyed green.

12 in. long100 35c; 1000 \$3.00

18 in. long100 40c; 1000 \$3.50



HOT BED SASH—Extra strong, unglazed made of best cypress. Size, 3x6 for 8x10 glass unpainted, \$3.50 each. Glazed, painted 2 coats, same size as above \$10.00 each. Packing extra.



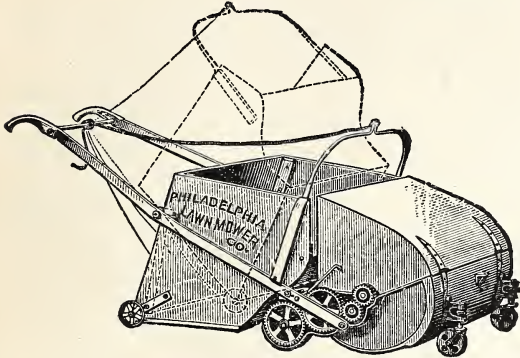
Germaco

Hotcaps

New Method of Plant Protection

GERMACO HOTCAPS—New Method of Plant Protection—A money maker, matures crops earlier; shields plants from frost, wind and rain; protects them from insects; miniature "hot-houses." An amazing invention, crop INSURANCE. A revolutionary device that saves farmers much in time, labor and money. One roll of a thousand, \$11.50, new price, postage or express extra. Write for quantity prices, and pamphlet.

Tools (Continued)



PENNSYLVANIA LAWN CLEANER

A revolving fan with metal teeth creates an air current which carries into the canvas baskets all leaves, dead grass, stone, etc., that the rake encounters. It straightens up crab grass and other running weeds so that they may be cut by lawn mower. It combines strength and durability with light construction. 24 inches wide, \$35.00. 36 inches wide, \$50.00.

Labels, Pot and Garden, Wooden.

	Plain		Painted	
	100	1000	100	1000
4x5/8 in.	\$0.15	\$1.25	\$0.25	\$2.00
4½x5/8 in. ....	.20	1.50	.30	2.25
5x5/8 in. ....	.25	1.90	.35	2.50
6x5/8 in. ....	.30	2.30	.40	3.00
8x7/8 in. ....	.90	7.00	1.00	8.00
12x1½ in.	1.25	11.00	1.50	13.00

Labels, Tree, Copper Wired...3½ in. Painted. 100, 35c; 1000, \$2.50.

Labels, Hanging, Celluloid, with copper wires, 3½ in. long by 11-16 in. wide. Doz., 20c; 100, \$1.00.

3½ in. long, 1½ in. wide. Doz., 75c; 100, \$5.00.

Labels, The Simplex. Waterproof.

		Doz.	100
No. 1.	3x½ in.	\$0.35	\$2.50
No. 2.	4x¾ in. ....	.70	4.50
No. 3.	5x1 in.	1.00	7.00

Indelible Ink. For above. Bottle 30c.

Leaf-Mould. Pk., 30c; 1 barrel bag, \$2.00.

WATER BALLAST ROLLER FOR LAWNS

With a Water Ballast Roller, one can secure any weight desired by simply removing a cap and filling it with as much water or sand as may be required. When filled with sand they weigh 50% more than with water.

The "WB" type is fitted with a steel scraper, which is adjustable and can also be used to hold the handle in place when not in use.

No.	Diameter	Length	Wgt. Filled	Price
10	14 in.	24 in.	250 lbs.	\$18.50
20	18 in.	24 in.	330 lbs.	22.25
30	24 in.	24 in.	440 lbs.	25.75
40	24 in.	32 in.	590 lbs.	28.00

We rent these at \$1.00 per day during season.

LEATHER HORSE BOOTS

Made with double thick riveted soles and straps to go around the hoof. In ordering send outline of horse's shoe. Per set of four, \$18.00.

BERGMAN LAWN MOWER SHARPENER

Mattocks. "Blue Grass". Hoe, 4¼-in. Cutter, 3 in. Each, \$1.00. Handles, 50c.

Mole Traps. "The Reddick." Each, \$1.25.

Moss, Sphagnum, Live. For orchids. Bag \$2.50. For packing, 5-bbl. bale, \$4.00.

Oil Cans. For lawn mowers, etc., brass bottom, 30c.

Peat Moss. Small bale, \$1.50, large bale, \$5.00.

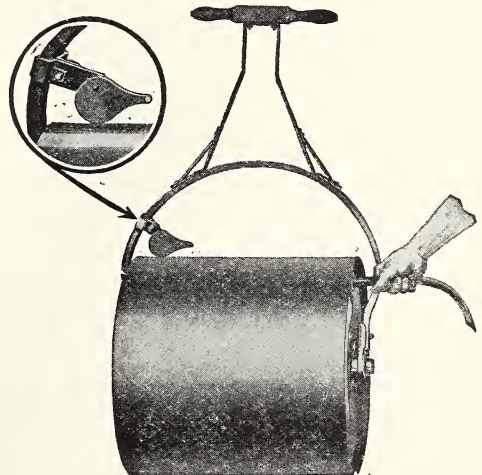
Pick Mattocks, "Blue Grass." Hoe 4 in.; Pick 8½ in.; Each, \$1.00. Handles, 50c.

PEAT MOSS. TORF MULL

Granulated Peat Moss should be used liberally about the garden or greenhouse, for pot plants, window boxes and growing bulbs, etc. It is also useful for mulching perennial beds, lawns, roses, etc., and mixing with sandy or clayey soils. Small bale, enough to cover 16 square ft.

1 inch deep\$1.50
Large bale, 13 cubic ft., covers 240 square ft.

1 inch deep 4.00



An individual sharpener which is adjustable to all types and makes of lawn mowers. No danger of making low spots in the blades as with a file, as a long, sweeping stroke with a Bergman grinds the blade evenly. Each, \$1.00.

Picks. Pointed both ends. Each, \$1.00, handles, 50c.

Plant Sprinklers. (See Sprinklers).

Tools—(Continued)

Plant Stakes. Round, green, tapering (light).

	Each	Doz.	100
1½ ft.	\$0.04	\$0.35	\$2.25
2 ft. ....	.06	.60	4.25
2½ ft. ....	.08	.80	6.00
3 ft. ....	.11	1.10	8.00
3½ ft. ....	.13	1.35	10.00
4 ft. ....	.17	1.75	12.00

Round, green, tapering (heavy).

	Each	Doz.	100
4 ft. ....	.25	2.25	16.00
5 ft. ....	.30	3.00	20.00
6 ft. ....	.35	3.50	25.00

Square, green, tapering (heavy).

	Each	Doz.	100
4 ft. ....	.15	1.50	10.50
5 ft. ....	.22	2.25	16.00
6 ft. ....	.25	2.50	18.00

Dahlia Stakes. Extra heavy. 1 in. square at bottom tapering to ¾ in. at top, painted.

	Doz.	100
5 ft.	\$3.50	\$26.00
6 ft.	4.50	32.00

Post Hole Digger. Blue Grass round type, \$2.10.

FLOWER POTS, Standard Earthenware.

We pack carefully but are not responsible for breakage in transit. All earthenware pots are shipped by freight only.

Inside Measurements				
Size	Each	Doz.	100	1000
2 in.	\$0.02	\$0.20	\$1.30	\$12.00
2¼ in. ....	.02	.25	1.60	15.00
2½ in. ....	.03	.30	2.00	17.00
3 in. ....	.04	.40	2.50	22.00
4 in. ....	.06	.60	4.00	35.00
5 in. ....	.08	.80	6.50	60.00
6 in. ....	.12	1.25	10.00	95.00
7 in. ....	.25	2.50	16.00	
8 in. ....	.35	3.50	24.00	
9 in. ....	.50	5.00	40.00	
10 in. ....	.80	7.00	50.00	
12 in.	1.20	13.00	100.00	

FLOWER POT SAUCERS, Earthenware.

Size	Each	Doz.	Size	Each	Doz.
4 in.	\$0.04	\$0.40	9 in.	\$0.14	\$1.40
5 in. ....	.05	.50	10 in. ....	.17	1.70
6 in. ....	.06	.70	11 in. ....	.22	2.20
7 in. ....	.10	.90	12 in. ....	.28	2.70
8 in. ....	.12	1.10	14 in. ....	.40	4.00

AZALA POTS.

Wide	Deep	Each	Doz.	100
6 in.	4½ in.	\$0.15	\$1.30	\$10.00
7 in.	5 in.	.25	2.50	15.00
8 in.	6 in.	.30	3.00	22.00
9 in.	7 in.	.50	5.00	40.00
10 in.	8 in.	.70	7.00	50.00

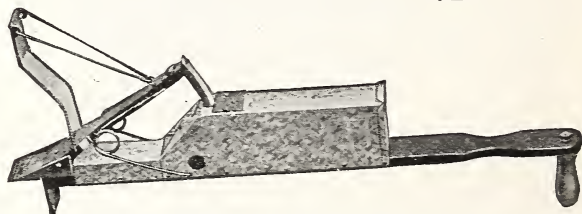
ROUND BULBS or LILY PANS.

Wide	Deep	Each	Doz.	100
6 in.	3¾ in.	\$0.15	\$1.50	\$10.00
7 in.	4½ in.	.25	2.50	15.00
8 in.	4 in.	.30	3.00	22.00
9 in.	4¼ in.	.50	5.00	40.00
10 in.	4½ in.	.60	6.00	45.00
12 in.	4¾ in.	1.00	10.00	80.00

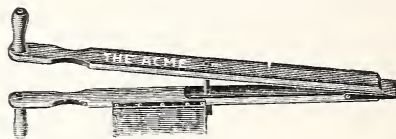
NEPONSET WATERPROOF PAPER FLOWER POTS. Made of waterproof paper and are light, clean and unbreakable.

	Doz.	100	1000
2¼ in.	\$0.10	\$0.60	\$5.50
2½ in. ....	.10	.70	6.00
3 in. ....	.15	1.00	8.00
3½ in. ....	.15	1.20	11.00
4 in. ....	.25	1.60	14.00
5 in. ....	.40	2.20	20.00
6 in. ....	.60	3.00	26.00

SEGMENT CORN PLANTER



The "Segment" is light, strong, accurate and withal the cheapest and most up-to-date planter on the market. Price, \$2.75.



ACME HAND CORN PLANTER No. 306— (Patented)—Two hand, slide type. Segmental slide of pressed steel, adjustable to vary drop. Pressed steeljaws riveted to hardwood sides. Cover hopper of steel with hinged cover. Hopper bottom and conveyor tube of pressed steel; not a casting used. Strong, durable. Will not crack corn, grind or bind. Light, strong, steel cut off, will not wear. Price, \$1.25; postpaid.

Pruner, or Lopping Shears.

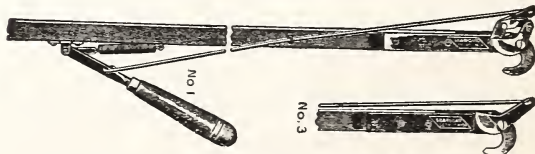
"Blue Ribbon." Handles 20 in. Curved blade. Each, \$2.00.

Lopping Shear. 20-in. handle. Each, \$2.75.

Pruners, Tree.

Waters'. 6-ft. handle, \$2.00; 8-ft. handle, \$2.25; 10-ft. handle, \$2.50. Extra blades, 30c each.

Bartlett No. 4 Jointed Tree Trimmer. This tool is light in weight. Compact in size and very effective cutting qualities. Blade operated by compound levers. Pole made in 4 ft. lengths.



PRICE LIST OF No. 4 PRUNERS

BARTLETT'S Price Each

8-ft. Jointed Pruner, made up by using the top section and handle section \$5.20
12-ft. Jointed Pruner, made up by using the top section, handle section and one intermediate section 6.10

Tools (Continued)

BARTLETT'S PRUNERS—(Continued)

16-ft. Jointer Pruner, made up by using the top section, handle section and two intermediate sections	6.80
Extra Top Section	3.30
Extra Bottom Section	2.00
Extra Intermediate Section	1.20
6-ft. Pole, one piece	4.90
8-ft. Pole, one piece	5.20
10-ft. Pole, one piece	5.50
12-ft. Pole, one piece	5.80
14-ft. Pole, one piece	6.10
16-ft. Pole, one piece	6.40
Extra No. 4 Blades .....	.40

BARTLETT'S POLE SAW



Bartlett's No. 44 Pole Saw. Has 16-inch blade with 7 teeth to the inch. Part of Steel Head hooked for hanging on limbs when not in use. Saw adjustable to 3 angles. Poles 1¼ in. and 1½ in. for easier handling.

No. 4—POLE SAW PRICE LIST

No. 44 Saw, complete, 8-ft. pole, each	\$4.40
No. 44 Saw, complete, 10-ft. pole, each	4.70
No. 44 Saw, complete, 12-ft. pole, each	5.00
No. 44 Saw, complete, 14-ft. pole, each	5.30
No. 44 Saw, complete, 16-ft. pole, each	5.60
No. 44 Saw Blade only, per doz.	12.00
Extra 4-ft. section with No. 136 Aluminum sleeve, each	2.20

Pumps. (See Spray Pumps).

Putty Bulb, Rubber. For glazing, \$1.50.

Raffia. The best material for tying plants. Per lb., 30c. Green, dyed, lb., \$1.25.

Rakes.

Garden. Best steel, 10 teeth, 80c; 12 teeth, \$1.00; 14 teeth, \$1.15; 16 teeth, \$1.25.

Hoover. Flexible steel for leaves, \$1.10.

Lawn. Wooden, 3 steel bows, 22 teeth, 90c.

Reversible. Galvanized, 24 teeth, 80c.

Lawn, "Olsen." 26 wood teeth, iron brace. Each, \$1.10.

Rollers. (See Lawn Rollers).

Rubber Bands. For split carnations. Oz., 30c.

BAMBOO LAWN RAKE

A Superior Make

This rake cannot be compared with the cheaper quality that is often offered. The head is wired top and bottom and has a four-foot wood handle clamped onto the rake.

Made with split bamboo. Very light and flexible; for raking leaves, grass or paths. An excellent rake for removing crab or August grass in lawns. Small, 18 in width, \$1.00; large, 24 in. width, \$1.50.

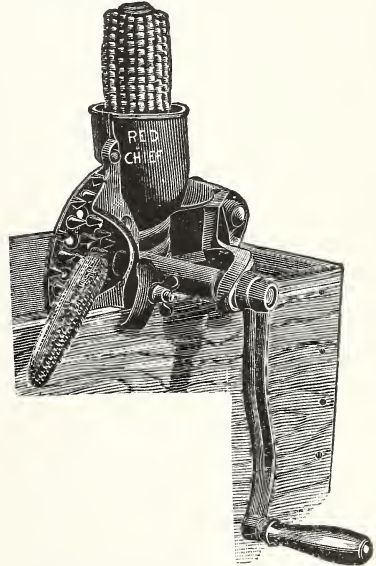
HOOVER LAWN RAKE

The teeth of this rake are made with flexible steel spring wire and will fit into any irregularities on the surface of the ground, taking all leaves, dead grass or refuse without any injury to the living grass. Each, \$1.00.

ADJUSTABLE GARDEN CULTIVATOR

The most useful hand garden tool on the market.

It will pull out the weeds, pulverize the ground thoroughly, leaving it level. It will work between the rows, or the center shovel can be removed and straddle the row if desired. It is adjustable in width by sliding the top plate. It is the lightest, weighing but 3 lbs. complete with long handle. The blades are forged out of a solid steel rod. 3 prong, \$1.00; 5 prong, \$1.25.



RED CHIEF CORN SHELLER

Improved Red Chief Hand Corn Sheller. Has patented oval shape teeth, arranged on the wheel so as to go between the rows, pressing them from the ear instead of tearing them. Will not crack or otherwise injure grain. A safe sheller for seed corn. Fastens securely by hand on box, barrel or tub. Throws cob outside. The perfect spring tension assures clean shelling of any size ear. Price, each, \$2.50; postpaid.

Popcorn attachment, price, each 40c; postpaid.

Red Chief Rapid Grinding Mills. Made in seven sizes. For grinding small dry grains. They are equipped with extra hardened burrs that cut the grain instead of mashing it. Will also grind coffee and spices, oyster shells and dry bones. Catalog that describes this full line of wonderful mills furnished free on request.

	Price
No. 1—As in cut	\$ 3.00
No. 2—Same as cut, only larger	4.00
No. 5—Has balance wheel	5.00
No. 10—Capacity 4 to 6 bushels per hour	10.50

All F. O. B. Louisville.

Tools (Continued)



PRUNING SHEARS—

- Blue Grass—No. BG200—Steel blade volute spring, iron handles, end catch\$1.50
- California Pattern—No. 6 P. S.—Steel blade volute spring, catch lever, iron handles\$0.75
- California Pattern—No. 100-9—Polished steel, elipiptic spring; lever catch\$1.00
- Grass Shears—No. 09—Tempered coil spring, end latch\$1.00
- Grape Pruning Shears or Flower Shears—No. 7436—Small and light weight\$0.75

PRUNING SHEARS—Long handled.

- Kronk—No. 126—Four inch double steel ferrules, hardwood handles;\$2.75.

HEDGE SHEARS—

- Blue Grass No. BG 132—Cast steel, hardwood handle; 6 inch blades\$1.25
- Blue Grass No. B. G. 132½—Notched blades, 7 in. Same cast and handles\$2.25
- Blue Grass No. BG 134—9 inch blade, cast steel notched blade\$2.50
- Blue Grass No. BG 135—10 inch blade, cast steel notched blade\$2.65
- Grass—Improved No. 09—6 inch steel blades with 7 inch metal handle and spiral steel spring. Price\$1.50
- Grass or Sheep—Best trowel shank. Blade 6½ inch. Price\$1.25

SHOVELS—

- Blue Grass—Square and Diamond Pointed. Long or short handles. Each\$2.00

- SIEVES, WIRE—For sifting loam, gravel, etc. ½ in., ¼ in., ½ in., or ¾ in. mesh. 18 inches in diameter. Each\$1.00

- SPADES—Blue Grass—Best cast steel. Long or short handles. Each\$1.75

- SPRAYERS. (See pages 96, 97 and 98.)

SPRINKLERS—

- Rubber—Scollay's straight neck. No. 1, 12-oz. size,\$1.50

CALIFORNIA SPRINKLER

This is the most popular Sprinkler on the market. It has four brass arms and is mounted on a sled, so that it can be easily dragged over the lawn without turning off the water\$2.50

THE RAIN KING

The Rain King is a real innovation in the sprinkler line, and radically different from any other sprinkler ever made. The most wonderful variety of uses. Circular or stationary spray, fine or coarse, fast or slow, large lawn, small lawn, trees shrubs, flower beds, takes care of them all. Small, compact, easily handled. Simple adjustments. For Putting Greens it is excellent. Price\$3.50

Seventy-six

BRASS FOUNTAIN SPRINKLER—

Very simple in construction. Cannot rust or get out of order.

Will not injure the lawn. Requires only ordinary pressure of water. Price\$0.75

- Cresent Fountain Sprinkler—Heavy brass, throws an even spray in the form of a half circle. Price\$0.75

- Scissors. Grape or Vine. Best make, 7 in., 75c. Glazed (Packing extra). Size 3x6 ft., using 10 in. glass. Painted two coats white. \$10.00.



Scythes, Blades.

- Lawn, English. 30 to 34 in., each, \$3.75.
- Grass, American. 28 to 34 in., each, \$2.00.
- Brush or Weed. 18 to 24 in., each, \$2.50.

- Scythe Snaths (or Handle). Each, \$2.00.

- Scythe Stones. Flat, each, 25c; doz., \$2.50.

Cahoon's Broadcast Seed Sower. This machine will sow Wheat, Rye, Oats, Barley, Hemp, Timothy, Clover, Millet and Hungarian seed, throwing from 8 to 20 feet on each side of the operator, \$3.50.



Cyclone Seed Sower. It will sow as fast as you can walk, and the quantity can be regulated to any amount to the acre. By mail postpaid, \$2.20. Not prepaid, \$2.00.



Horn Seeder. Adjustable for seeding any amount per acre, each, \$1.00, postpaid.

GRASS SOD AND CEMENT TAMPERS

Useful for tamping down sod and uneven spots on lawns, tennis courts and golf grounds. Made of iron, with heavy wooden handle.

- Square Pattern. Size 6 in. Weight 12 lbs. Each \$2.25.
- Size 8 in. Weight 17 lbs. Each \$2.75

Tools—(Continued)

TENNIS NETS—Single court, 27x3 ft., \$2.10.
double court, 36x3 ft., canvas bound, \$4.25.

TENNIS MARKER—No. 0 Dry Marker—For marking tennis courts\$3.25

THERMOMETERS—

Mushroom bed—All metal, each \$3.75; wood, brass tip \$2.00.

Brooder, No. 5792—Each\$60

Household—Wood frame. 8 or 10 in.\$1.25

Incubator—No. 1052—Each\$50

Temprite—5400-8—Heavy metal, for greenhouse or outside. White with black figures. 8 in. Each\$2.00

TOOL SETS—Garden or Floral—Short handle—Fork, spade, hoe and rake. Set\$2.00
Same as above with long handles\$3.25

TORCHES, Asbestos—For burning tent caterpillars. Each 60c.

GARDEN TROWELS—

Pine Knot—No. 55 PK—Wooden handle, 6 inch steel blade\$3.30

English Pattern—No. 312—6 inch steel blade, narrow; hardwood handle\$3.30

English Pattern—No. 808—6 inch steel blade and handle, one piece-wide\$3.35

English Pattern—No. 71—5½ inch steel blade, wide, wooden handle\$1.15

TWINE—

4 oz. balls staging, 15c each, 2 for 25c.

4 ply bunching—5 lb. sacks \$1.75; single balls 10c each.

Binder twine—5 lb. balls 80c each; 50 lb. bales \$7.00 each.

PLANT TUBS

Made from selected Virginia white cedar, bound with electric welded wire hoops (galvanized). Painted green, furnished without handles, or we can supply drop handles if wanted at 30c per pair. Inside measurements:

	Diameter	Height	Each
No. 3	8 in.	8 in.	\$0.70
No. 4	9 in.	9 in.	.75
No. 5	10 in.	9 in.	.80
No. 6	11 in.	10 in.	1.00
No. 8	13 in.	12 in.	1.50
No. 10	15 in.	14 in.	1.85
No. 12	17 in.	16 in.	2.50
No. 14	19 in.	18 in.	3.65



The "Little Wonder" Hedge Trimmer

This trimmer entirely revolutionizes hedge trimming. It is wonderful how quick it cuts and how smooth a job it makes and how easy it operates. To get a beautiful thick hedge it is necessary to trim at least every three weeks. The "Little Wonder" makes the frequent cutting possible without practically any expense. It cuts from five to ten times as fast as by hand and does better work. Guaranteed for one year and complete instruction accompanies each machine. 30-in., one-man machine. Each\$25.00
40-in., one or two-man machine. Each 27.50

These rollers made up in wood or cast iron in four 12-inch sections, 4 feet wide, 10 inches in diameter, and are used especially for Putting Greens or fine lawns. Wood Roller. Weight 160 lbs. Each \$30.00.

Putting Green Roller

Cast Iron Putting Green Roller made with four 1-foot sections turned smooth on the face and equipped with scraper. Weight, 160 lbs. Each, \$35.00.

WEEDERS—"Midget"—Three Prong—

9 in. handle\$50
4 ft. handle\$90
Magic Hand Weeder, 3 teeth\$20



Simplex Weeder—The most satisfactory weed puller in use today. Handle 42 inches. Heads malleable iron. Built to last a life time. Its action is practically automatic and because it gets the roots it guarantees weedless lawns. Postpaid to any point in the U. S. A. ...\$1.25
Lawn—For removing docks, dandelion, etc.; can also be used as an Asparagus knife\$50

WHEELBARROWS—Garden—Painted, iron leg braces, bolted on frame, superior finish. Small size, No. 10 RS, \$5.75. Medium size, No. 4, each \$8.25. Large size, No. 2 BG each \$10.75.

Fall Planted Spring Flowering Bulbs

Fall Planting. Because Hyacinths, Tulips, Narcissi, etc., do not bloom until Spring, many people forget to order and plant them, until Spring comes and their neighbor's flowers are a belated reminder. All bulbs for blooming during the Winter, or for an outside show in the Spring, must be planted in the Fall—preferably in October.

Outdoor Planting may be done any time from the last of September to the first of January, where the ground remains unfrozen, but, if possible should be done in October or early November. Hyacinths, Tulips and Narcissi should be set, the top of the bulb 4 inches beneath the surface. Interval in rows: Hyacinths 7 inches; Tulips 5 inches; Narcissi 12 inches.

Select the varieties of bulbs you fancy while they are in full bloom, place your order then for August-September delivery.

Darwin Tulips

The colors include the brilliant scarlets and crimsons, and the more somber tones of red. The shades of rose and pink, of violet, and purple are unsurpassed for their delicacy or their richness of color. There are no yellows. All the bronze and buff tones are Breeders; while bright yellow and orange-scarlet must be sought among the Cottage Tulips.

Afterglow; Syn., Katherine Havemeyer. 4. Deep rosy orange, with salmon shading at edge of petals; inside deep orange with yellowish base. A showy Tulip for outdoors. Height 26 inches. 10 bulbs, \$1.45; 100 bulbs, \$12.00; 1,000 bulbs, \$100.00.

City of Haarlem. Intense dark scarlet, with darker bloom; large steel-blue base and white halo; wonderful flower. Height 27 inches. 10 bulbs, \$1.85; 100 bulbs, \$16.00.

Clara Butt. Clear pink, flushed salmon-rose; inside much deeper, with blue base. Beautiful out-of-doors. Height 21 inches. 10 bulbs, 50c; 100 bulbs, \$3.75; 1,000 bulbs, \$35.00.

Dream. Pale heliotrope, inside deep violet with blue base. Height 27 inches. 10 bulbs, 70c; 100 bulbs, \$5.25; 1,000 bulbs, \$50.00.

Edmee; Syn., Beauty. Vivid cherry-rose, edged soft old rose; the brightest color in this type. Large flower of great beauty. Height 25 inches. 10 bulbs, 70c; 100 bulbs, \$5.50; 1,000 bulbs, \$50.00.

Feu Brilliant. A most glorious scarlet Tulip; large and beautifully shaped flower on strong stem; one of the first to bloom; highly recommended. Height 28 inches. 10 bulbs, 70c; 100 bulbs, \$5.00; 1,000 bulbs, \$48.00.

Flamingo. One of the most beautiful pink Tulips. Exquisite pure color and satin sheen. Lovely pointed flower. Beautiful in border among

Camassias, Nepeta Mussini, and Bleeding Heart. Please do not confuse with a Single Early Tulip of that name. Height 28 inches. 10 bulbs, 70c; 100 bulbs, \$5.50.

Giant. Deep reddish purple, shaded dark violet with white base. Handsome flower of enormous size on long stem; sturdy habit. Height 29 inches. 10 bulbs, \$1.15; 100 bulbs, \$9.00.

King George V. Glowing salmon-scarlet, shaded bright rose; inside brilliant orange-scarlet with blue base. A flower of intense color. Height 25 inches. 10 bulbs, \$2.25; 100 bulbs, \$20.00.

King Harold. Deep oxblood-red, with purple-black base; large flower of fine form, on a sturdy stem. Superb variety for the border, and most effective in partial shade. Height 24 inches. 10 bulbs, 70c; 100 bulbs, \$5.00.

La Tulipe Noire. Dark maroon-black, the blackest of all the Tulips. Large flower. Height 25 inches. 10 bulbs, 75c; 100 bulbs, \$6.00.

Meicette. Soft lavender; inside dark lavender-violet with beautiful blue base. The purest lavender Darwin. Height 25 inches. 10 bulbs, 75c; 100 bulbs, \$6.00.

Mr. Farncombe Sanders. Scarlet; inside vivid cerise-scarlet with white base; large. Flower of perfect shape. One of the best among the reds. Height 25 inches. 10 bulbs, 50c; 100 bulbs, \$3.75; 1,000 bulbs, \$36.00.

Pride of Haarlem. Brilliant rosy carmine with blue base; very large flower on tall, strong stem; sweet scented. Unsurpassed for borders. Height 25 inches. 10 bulbs, 50c; 100 bulbs, \$3.75; 1,000 bulbs, \$36.00.

President Taft. Large deep crimson-red flower on a very sturdy stem, 20 inches high. A crimson so intense and yet so pleasing that it is one of the outstanding Darwin Tulips. There is no other red like that seen in President Taft. For a variety to be used in a solid bed it cannot be surpassed. Rather late flowering but lasts longer than most Tulips. Include it in every collection. 10 bulbs, \$1.15; 100 bulbs, \$8.50.

Scarlet Beauty. Pure glowing scarlet. Extra large flower. Height 22 inches. New. 10 bulbs, 75c; 100 bulbs, \$6.00.

William Pitt. Very dark crimson, with purplish bloom on the outer petals and white base starred blue; large flower of distinct color and great beauty. Fine for borders and for forcing. Height 22 inches. 10 bulbs, 65c; 100 bulbs, \$4.25.

Superb Mixture of Darwins. This is our special mixture which we recommend where the best results are desired in beds of mixed colors. It is made up of numerous named sorts and in equal proportion of each variety. 10 bulbs, 50c; 100 bulbs, \$3.60; 1,000 bulbs, \$34.00.

Dutch Breeder Tulips

Every lover of the more somber shades cannot fail to revel in the rich and artistic blending of purple and old gold, bronze and terra cotta, brown and violet, and buff and maroon found among the Breeders.

Bacchus. 2. Large, long flower on a graceful stem; dark violet-blue, with darker bloom on outside of petals, inside violet-blue, white base. The bluest of all Tulips. Height 33 inches. 10 bulbs, \$1.75; 100 bulbs, \$15.00.

Bronze Queen. 1. Large, strong flower, stout stem; fine form; purplish fawn, interior buff-yellow, bright lemon-chrome base; filaments olive above, yellow below. A great favorite. Height 28 inches. 10 bulbs, 65c; 100 bulbs, \$4.25.

Cardinal Manning. 1. Very large, egg-shaped flower; bishop's purple, flushed rosy bronze, changing to an almost pure orange at the extreme edges of the petals; the base is tinged yellow; filaments blue at apex. Height 34 inches. 10 bulbs, \$1.00; 100 bulbs, \$7.75.

Dom Pedro. 2. Coffee-brown and maroon, shaded with old gold. It is the outstanding Breeder Tulip in this color. Being robust in habit and long lasting make it the best of the bronzy brown varieties. 10 bulbs, \$1.65; 100 bulbs, \$14.00.

Garibaldi. 3. Base and center of petals terra cotta with blood edge of golden bronze. Exquisite coloring; strong growth; one of the choicest. 10 bulbs, \$3.50; 100 bulbs, \$30.00.

General Ney. 3. Dull old gold with olive base; a good sized flower of soft color. Height 25 inches. 10 bulbs, \$1.10; 100 bulbs, \$8.75.

Golden Bronze; syn., Toison d'Or. 3. Light brownish yellow, with faint flush of heliotrope outside; deep mahogany-brown within, shading to golden brown at tip of petals, yellow base. The general effect at a distance is a bright yellow-brown. Height 24 inches. 10 bulbs, 85c; 100 bulbs, \$6.50.

Godet Parfait. 3. Bright violet; striking color; extra large flowers which keep wonderfully. 10 bulbs, \$1.45; 100 bulbs, \$12.00.

Goldfinch. 3. Golden bronze suffused with deep lilac through center of petals. Inside deep bronze with lighter edge. Base yellow. Pointed flowers on stately stem. Height 29 inches. 10 bulbs, \$2.50; 100 bulbs, \$22.50.

Heloise. A beautiful combination of deep brown and old rose. Inside deep brown edged golden bronze, base yellow. Large flowers with reflexing petals. A most exquisite variety. Height 28 inches. 10 bulbs, \$2.40; 100 bulbs, \$21.25.

Indian Chief. Reddish mahogany flushed purple. A huge flower of great substance and most artistic shape; very tall. 80c each; 10 bulbs, \$8.00; 100 bulbs, \$75.00.

Jaune d'Oeuf. Well formed, large flower on tall stem; bright, deep lemon-chrome, with a slight flush of pale purple on the outer segments, large, pale green base; filaments greenish. Height 28 inches. 10 bulbs, \$1.00; 100 bulbs, \$7.25.

James Watt. Purple, flushed bronze; inside dark mahogany, with purple base; very large, globular flower. The most exquisite of all Breeders. Height 26 inches. 10 bulbs, \$2.25; 100 bulbs, \$20.00.

Klopstock. A very handsome Tulip; bishop's purple, margined with purplish lilac, inside rosy lilac, edged rosy white, large, pale yellow base, with blue star. Height 24 inches. 10 bulbs, \$1.25; 100 bulbs, \$10.00.

Louis XIV. Rich dark purple, shaded steel-blue, heavily flushed bronze, edged golden brown; enormous size and stately bearing. The best Breeder Tulip in commerce today. 10 bulbs, \$1.75; 100 bulbs, \$15.00.

Lucifer. Bright terra cotta-orange; enormous flowers. One of the newer varieties of great brilliance. An exquisite flower for the border as well as for cutting. Height 24 inches. 10 bulbs, \$2.25; 100 bulbs, \$20.00.

Marie Louise. Very handsome flower of old rose, flushed orange-salmon, edged bronzy orange; olive base. Height 24 inches. 10 bulbs, \$1.00; 100 bulbs, \$7.75.

Panorama (Fairy). Large, goblet-shaped flower; rich chestnut-red; base and filaments chestnut-brown. Height 26 inches. 10 bulbs, \$1.00; 100 bulbs, \$7.25.

Plutarchus. Very handsome Tulip of good form and substance; flamed dull purple, interior lemon-yellow, with greenish base and filaments. Height 25 inches. 10 bulbs, \$1.10; 100 bulbs, \$8.75.

Prince Albert. Glowing mahogany-brown, shaded dull bronze, green base. Splendid variety for the border. Height 30 inches. 10 bulbs, \$1.45; 100 bulbs, \$12.00.

Prince of Orange. Large, very showy, well formed of great substance; terra cotta, edged orange-yellow, base indefinite yellow, streaked with olive, filaments olive. Height 26 inches. 10 bulbs, \$1.55; 100 bulbs, \$13.00.

St. James. Lilac, edged tan, shaded light rose. Inside mahogany with golden brown edge. Very large flower on tall stem. Height 28 inches. A superb exhibition variety. 10 bulbs, \$1.25; 100 bulbs, \$10.00.

Turenne. Dark blue, heavily flushed bronze at margin; very large flower bud. 10 bulbs, \$1.45; 100 bulbs, \$12.00.

Velvet King. Immense flower on extra strong stem. Its robust growth makes it one of the most conspicuous; fine cup-shaped form; bright, dark royal purple, small, white, sharply defined base. Height 31 inches. 10 bulbs, \$1.45; 100 bulbs, \$12.00.

Vulcan. Beautifully shaped flower of a color unlike any other—reddish apricot, with broad margin of bright buff-yellow, interior dark apricot, edged yellow, with dark green base starred yellow. Height 24 inches. 10 bulbs, \$1.85; 100 bulbs, \$16.00.

Yellow Perfection. A large flower of remarkable beauty. Light bronze-yellow, edged golden yellow, interior bronzy brown, yellow base starred green. Height 26 inches. 10 bulbs, \$1.00; 100 bulbs, \$7.75.

Cottage Tulips

Bouton d'Or. The finest and deepest golden yellow Tulip with black anthers. Cup-shaped flower of medium size; splendid for cutting and for mass effect. Height 20 inches. 10 bulbs, 50c; 100 bulbs, \$3.75.

Beauty of Bath. Soft rosy lilac, bordered canary-yellow. Most effective, very beautiful Tulip. 10 bulbs, \$2.40; 100 bulbs, \$21.25.

Gesneriana Lutea. Warm yellow flower. Fine for herbaceous borders among clumps of creamy Intermediate Iris. Height 24 inches. 10 bulbs, 50c; 100 bulbs, \$3.75.

Grenadier. A large Tulip of fine form and good substance, borne on strong stem; dazzling brilliant orange, yellow base. Height 21 inches. 10 bulbs, \$1.00; 100 bulbs, \$7.25.

Inglescombe Pink. Salmon-pink, blue base; very brilliant. A great favorite in England where it is planted by the thousands, and is largely used as a cut flower. 10 bulbs, 50c; 100 bulbs, \$3.75; 1000 bulbs, \$35.00.

Kingfisher. Quaint combination of creamy yellow and brownish violet. Large flower, carried on a strong stem. Height 18 inches. 10 bulbs, \$2.25; 100 bulbs, \$20.00.

Orange King. 4. Glistening deep orange, shaded rose, inside deep orange-scarlet with yellow base; sweet scented; a globular flower of great size and brilliant coloring. Most attractive for beds or borders. Height 23 inches. 10 bulbs, 65c; 100 bulbs, \$4.25.

Picotée or Maiden's Blush. Long; clear white; the petals, which are pointed and elegantly reflexed, are beautifully margined and penciled on edges with bright pink. 10 bulbs, 50c; 100 bulbs, \$3.75.

No other varieties except those preceded by a star (*) are carried in stock in the Autumn.

Single Bedding Hyacinths

ROSE AND RED SHADES

General De Wet. Light pink, white center; large spike.

La Victorie. Shining carmine; fine, upright spike.

WHITE

General Vetter. Blush white; large, pyramidal spike.

Queen of the Whites. Pure white; early.

BLUE SHADES

Grand Maitre. Deep lavender-blue; immense, loose spike.

King of the Blues. Rich dark blue; large, perfect spike.

Queen of the Blues. Clear porcelain blue; beautiful trusses.

YELLOW

City of Haarlem. Rich deep yellow; tall, erect spike.

Price, any of the above: \$2.00 per 10; \$18.00 per 100; \$170.00 per 1000.

Eighty

Narcissi (Daffodils)

Alba Plena Odorata (Double White Poeticus). 4 Large, double, snowy white, sweet scented, gardenia-like blossoms; much prized for cutting. To obtain fine, handsome flowers this Narcissus should be planted early in a deep, cool, moist soil. 10 bulbs, \$1.10; 100 bulbs, \$8.50

Emperor (Yellow Trumpet). 3. Perianth deep primrose-yellow, broad at base; trumpet rich yellow. A large flower of remarkable substance; fine for borders or forcing. Height 20 inches. 10 bulbs, \$1.65; 100 bulbs, \$14.00.

Empress (Bicolor Trumpet). 3. Sulphur-white perianth, with rather narrow petals; trumpet rich chrome-yellow. A very useful Daffodil for the border. Height 18 inches. 10 bulbs, \$1.65; 100 bulbs, \$14.00.

Evangeline (Leeds). 4. Broad, pure white perianth, with smooth, overlapping petals of remarkable substance; expanding cup of citron-yellow. A Daffodil of fine substance, and wonderful form. Height 18 inches. 10 bulbs, \$1.00; 100 bulbs, \$12.00.

Firebrand (Barri). 4. Perianth creamy white, shaded soft yellow at base; cup fiery red, prettily fluted. This is one of the brightest of all Daffodils. Splendid for shaded borders. Height 17 inches. 10 bulbs, \$1.55; 100 bulbs, \$13.00.

King Alfred (Yellow Trumpet). 2. Perianth and trumpet chrome-yellow; broad perianth petals of great substance; trumpet of medium size, widely expanding, with brim rolled back and beautifully fluted. A flower of lasting quality. Height 20 inches. 10 bulbs, \$2.65; 100 bulbs, \$24.00.

Ornatus (Poeticus). 4. Perianth pure white; cup margined bright crimson. A splendid variety for massing, and the best of the inexpensive sorts. Height 14 inches. 10 bulbs, \$1.25; 100 bulbs, \$10.00.

Recurvus (Poeticus). 6. The old Pheasant's Eye. Perianth pure white, somewhat reflexing; cup margined deep scarlet; sweet scented. Fine for massing in borders or in grass. Height 15 inches. 10 bulbs, \$1.25; 100 bulbs, \$10.00.

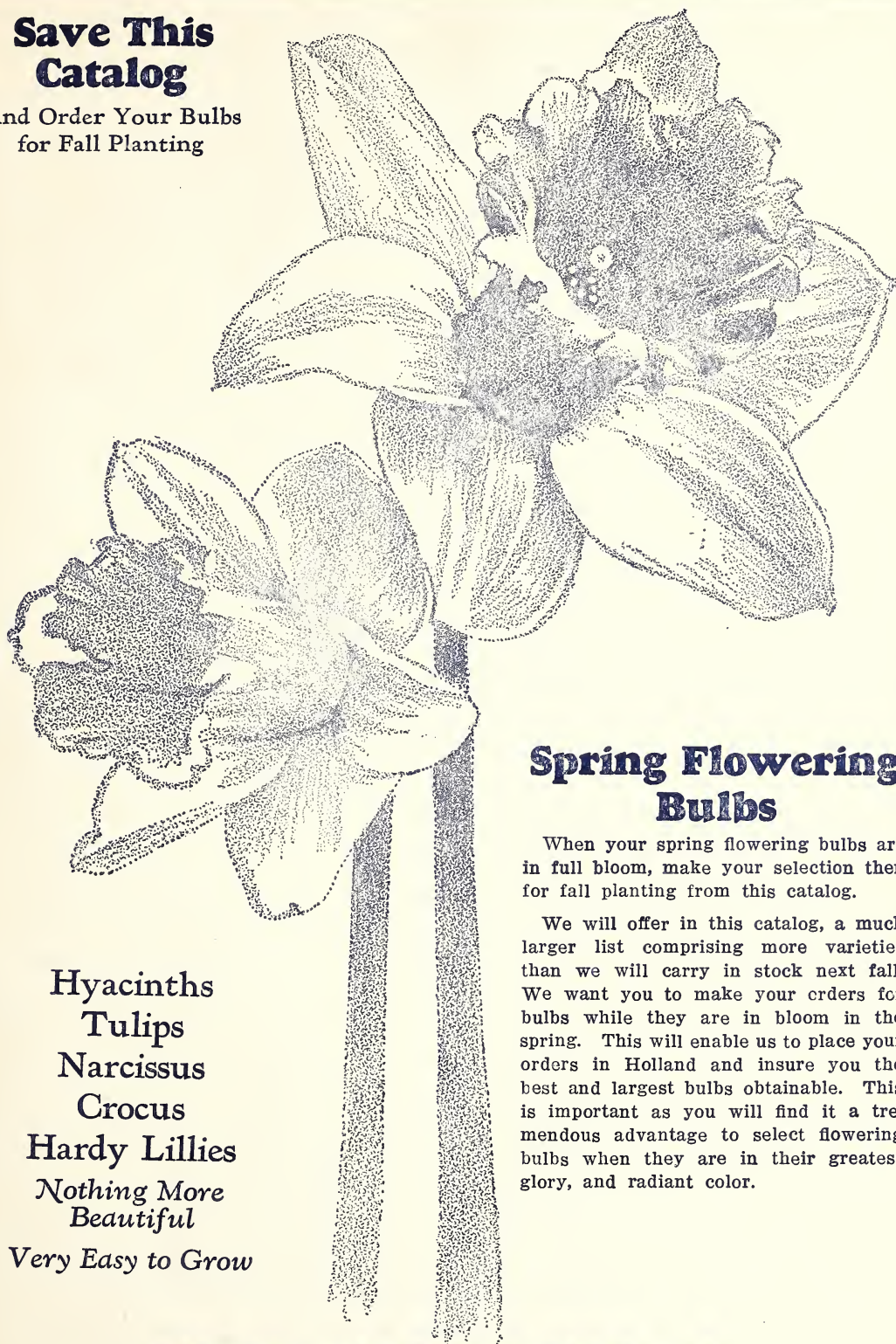
Sir Watkin (Incomparabilis). 2. Perianth primrose-yellow; large and well formed yellow cup; tinged deep yellow. A giant among the medium-crowned Daffodils. Height 21 inches. 10 bulbs, \$1.65; 100 bulbs, \$14.00.

Van Sion; syn., **Telamonius plenus** (Double Trumpet). 3. Golden yellow; the most popular Double Trumpet Daffodil for forcing. Outdoors, Van Sions are likely to become very green the second year after planting, there being something in our soil or climate which affects the color of this Daffodil. Height 13 inches. 10 bulbs, \$1.65; 100 bulbs, \$14.00.

Van Waveren's Giant (Bicolor Trumpet). 1. Broad primrose perianth; bright yellow trumpet, with very large, open mouth, flanged at brim. A huge flower of vigorous habit and very showy character. Height 17 inches. 10 bulbs, \$4.25; 100 bulbs, \$40.00.

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